

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds  
(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-4

Perfect score: 112

Sequence: 1 DANWDNRKLADCAVGFGS 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	70.5	15	US-10-354-240-18	Sequence 18, Appl
2	75	67.0	15	US-10-354-240-17	Sequence 17, Appl
3	53	47.3	15	US-10-354-240-19	Sequence 19, Appl
4	48	42.9	15	US-10-354-240-16	Sequence 16, Appl
5	35.5	31.7	17	US-10-443-349-12	Sequence 12, Appl
6	35.5	31.7	17	US-10-841-139-12	Sequence 12, Appl
7	34	30.4	15	US-10-407-449-18	Sequence 18, Appl
8	34	30.4	15	US-10-407-449-19	Sequence 18, Appl
9	33	29.5	14	US-10-391-634-39	Sequence 39, Appl
10	32	28.6	10	US-10-363-204-109	Sequence 109, Appl
11	32	28.6	14	US-10-393-815-312	Sequence 312, Appl
12	32	28.6	17	US-10-362-527-148	Sequence 148, Appl
13	32	28.6	19	US-09-864-761-34046	Sequence 34046, A

14	31	27.7	11	16	US-10-327-598-726	Sequence 726, App
15	31	27.7	12	12	US-09-855-604-70	Sequence 70, Appl
16	31	27.7	14	12	US-09-855-604-60	Sequence 60, Appl
17	30.5	27.2	15	17	US-10-769-514-58	Sequence 58, Appl
18	30	26.8	16	16	US-10-744-548-23	Sequence 23, Appl
19	30	26.8	20	17	US-10-149-835C-62	Sequence 62, Appl
20	29	25.9	10	16	US-10-714-564A-761	Sequence 761, App
21	29	25.9	12	10	US-09-892-877-310	Sequence 310, App
22	29	25.9	12	10	US-09-948-783-323	Sequence 323, App
23	29	25.9	12	16	US-10-363-204-228	Sequence 228, App
24	29	25.9	16	14	US-10-012-542-432	Sequence 432, App
25	29	25.9	16	14	US-10-115-123-432	Sequence 432, App
26	29	25.9	17	10	US-09-791-153A-18	Sequence 18, Appl
27	29	25.9	17	14	US-10-031-874A-45	Sequence 45, Appl
28	29	25.9	17	16	US-10-031-874A-45	Sequence 45, Appl
29	28.5	25.4	17	9	US-09-785-802A-3	Sequence 3, Appl
30	28.5	25.4	18	9	US-09-785-802A-14	Sequence 14, Appl
31	28.5	25.4	20	9	US-09-864-761-48431	Sequence 48431, A
32	28.5	25.4	20	14	US-10-280-066-122	Sequence 122, App
33	28	25.0	10	16	US-10-714-564A-813	Sequence 813, App
34	28	25.0	12	9	US-09-894-967A-5	Sequence 5, Appl
35	28	25.0	12	9	US-09-894-967A-6	Sequence 6, Appl
36	28	25.0	12	9	US-09-894-967A-7	Sequence 7, Appl
37	28	25.0	12	9	US-09-882-704-5	Sequence 5, Appl
38	28	25.0	14	9	US-09-823-829-77	Sequence 77, Appl
39	28	25.0	14	9	US-09-823-823-77	Sequence 77, Appl
40	28	25.0	14	15	US-10-362-527-93	Sequence 93, Appl
41	28	25.0	15	14	US-10-354-240-99	Sequence 99, Appl
42	28	25.0	15	15	US-10-232-410-10	Sequence 10, Appl
43	28	25.0	15	16	US-10-751-380-16	Sequence 16, Appl
44	28	25.0	17	17	US-10-844-424-70	Sequence 70, Appl
45	28	25.0	17	17	US-10-844-424-78	Sequence 78, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-18  
; Sequence 18, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 18  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 4  
US-10-354-240-18

Query Match 70.5%; Score 79; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 4.6e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 QNRMKLADCAVGFGS 20  
|||||

Db 1 QNRMKLADCAVGFGS 15

## RESULT 2

US-10-354-240-17  
; Sequence 17, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 17  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 3  
US-10-354-240-17

Query Match 67.0%; Score 75; DB 14; Length 15;  
Best Local Similarity 86.7%; Pred. No. 2.2e-05;  
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DANWDQNRMKLADCA 15

Db 1 DSNWAQNRMKLADCA 15

## RESULT 3

US-10-354-240-19  
; Sequence 19, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 5  
US-10-354-240-19

Query Match 47.3%; Score 53; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 0.098;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 LADCAVGFGS 20  
Db 1 LADCAVGFGS 10

## RESULT 4

US-10-354-240-16  
; Sequence 16, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 16  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 2  
US-10-354-240-16

Query Match 42.9%; Score 48; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.67;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 DANWDQNRMK 10  
Db 6 DSNWAQNRMK 15

## RESULT 5

US-10-443-349-12  
; Sequence 12, Application US/10443349  
; Publication No. US20040023856A1  
; GENERAL INFORMATION:  
; APPLICANT: Burgeson, Robert E.  
; APPLICANT: Wagnan, David W.  
; TITLE OF INVENTION: BLK CHAIN OF LAMININ AND METHODS OF USE  
; FILE REFERENCE: 10287/021003  
; CURRENT FILING DATE: 2003-05-22  
; PRIOR APPLICATION NUMBER: US/09/161,872  
; PRIOR FILING DATE: 1998-09-28  
; PRIOR APPLICATION NUMBER: US 08/735,893  
; PRIOR FILING DATE: 1996-10-23  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-443-349-12

Query Match 31.7%; Score 35.5; DB 15; Length 17;  
Best Local Similarity 46.7%; Pred. No. .92;  
Matches 7; Conservative 4; Mismatches 3; Indels 1; Gaps 1;

Qy 5 DQN-RMKLADCAVGF 18  
|:| ::||| :||  
Db 1 DENPDIECADCPIGF 15

## RESULT 6

```

US-10-841-139-12
; Sequence 12, Application US/10841139
; Publication No. US2004020881A1
; GENERAL INFORMATION:
; APPLICANT: Burgeson, Robert E.
; APPLICANT: Wegman, David W.
; TITLE OF INVENTION: Bk CHAIN OF LAMININ AND METHODS OF USE
; FILE REFERENCE: 10287/021003
; CURRENT APPLICATION NUMBER: US/10/841,139
; CURRENT FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US/10/443,349
; PRIOR FILING DATE: 2003-05-22
; PRIOR APPLICATION NUMBER: US/09/161,872
; PRIOR FILING DATE: 1998-09-28
; PRIOR APPLICATION NUMBER: US 08/735,893
; PRIOR FILING DATE: 1996-10-23
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-841-139-12

```

Query Match	31.7%;	Score 35.5;	DB 17;	Length 17;
Best Local Similarity	46.7%;	Pred. No. 92;		
Matches	7;	Conservative	4;	Mismatches 3;
				Indels 1;
				Gaps 1;

Qy 5 DQN-RMKLADCAVGF 18  
||:|::|||:|  
pb 1 DENPDIECADCPIGF 15

## RESULT 7

```

US-10-407-449-18
; Sequence 18, Application US/10407449
; Publication No. US20040005601A1
; GENERAL INFORMATION:
; APPLICANT: Siddiqui-Jain, Adam
; APPLICANT: Hurley, Laurence
; APPLICANT: Farrell, Thomas
; APPLICANT: Grand, Cory
; APPLICANT: Bearse, David
; TITLE OF INVENTION: METHODS FOR TARGETING QUADRUPEX DNA
; FILE REFERENCE: 53223-20004.00
; CURRENT APPLICATION NUMBER: US/10/407,449
; CURRENT FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: US 60/404,966
; PRIOR FILING DATE: 2002-08-04
; PRIOR APPLICATION NUMBER: US 60/370,358
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: Unknown
; PRIOR FILING DATE: 2003-03-20
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Antennapedia
US-10-407-449-18

```

Query Match 30.4%; Score 34; DB 15; Length 15;  
Best Local Similarity 85.7%; Pred. NO. 1.4e+02;  
Matches 6: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 WDQNRMK 10

D**b** 6 WFO NRMK 12

## RESULT 8

```

US-10-407-449-19
; Sequence 19, Application US/10407449
; Publication No. US2004000561A1
; GENERAL INFORMATION:
; APPLICANT: Siddiqui-Jain, Adam
; APPLICANT: Hurley, Laurence
; APPLICANT: Farrell, Thomas
; APPLICANT: Grand, Cory
; APPLICANT: Bears, David
; TITLE OF INVENTION: METHODS FOR TARGETING QUADRUPEX DNA
; FILE REFERENCE: 53223-20004.00
; CURRENT APPLICATION NUMBER: US/10/407,449
; CURRENT FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: US 60/404,966
; PRIOR FILING DATE: 2002-08-04
; PRIOR APPLICATION NUMBER: US 60/370,358
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: Unknown
; PRIOR FILING DATE: 2003-03-20
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Antennapedia
US-10-407-449-19

```

```

Query Match          30.4%; Score 34; DB 15; Length 15;
Best Local Similarity 85.7%; Pred. No. 1.4e+02;
Matches 6: Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

Qy 4 WDQNRMK 10  
| | | | |  
Db 4 WFQNRMK 10

## RESULT. T 9

```

US-10-391-634-39
; Sequence 39, Application US/10391634
; Publication No. US20030232359A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
; TITLE OF INVENTION: HGPPEMY40_2
; FILE REFERENCE: D0253np
; CURRENT APPLICATION NUMBER: US/10/391,634
; CURRENT FILING DATE: 2003-03-18
; PRIOR APPLICATION NUMBER: U.S. 60/365,350
; PRIOR FILING DATE: 2002-03-18
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 39
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-391-634-39

```

Query Match 29.5%; Score 33; DB 14; Length 14;  
Best Local Similarity 42.9%; Pred. No. 1.9e+02;  
Matches 6: Conservative 3; Mismatches 5; Indels 0;  
Gaps 0;

QY 5 DQNRMKLADCAVGF 18  
: : : : :  
Pb 1 ENKRISLYECAVOF 14

RESULT 10  
US-10-363-204-109

```
; Sequence 109, Application US/10363204
; Publication No. US20040170955A1
; GENERAL INFORMATION:
; APPLICANT: Board of Regents, The University of Texas System
; TITLE OF INVENTION: Human and Mouse Targeting Peptides Identified by Phage Display
; FILE REFERENCE: 005774.P003PCT
; CURRENT APPLICATION NUMBER: US/10/363,204
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 251
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 109
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: (1)..(10)
; OTHER INFORMATION: synthetic construct
US-10-363-204-109

Query Match      28.6%; Score 32; DB 16; Length 10;
Best Local Similarity 63.6%; Pred. No. 2e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 1;

QY      4 WDQNRMKLADC 14
        |||||  |||
Db       2 WDQN--YLDDC 10

RESULT 11
US-10-393-815-312
; Sequence 312, Application US/10393815
; Publication No. US20030224413A1
; GENERAL INFORMATION:
; APPLICANT: Shimkets, Richard A
; APPLICANT: Leach, Martin
; TITLE OF INVENTION: Nucleic Acids Containing Single Nucleotide Polymorphisms
; FILE REFERENCE: 15966-534B
; CURRENT APPLICATION NUMBER: US/10/393,815
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: 60/109,024
; PRIOR FILING DATE: 1998-11-17
; NUMBER OF SEQ ID NOS: 320
; SOFTWARE: CuraGen Patent Formatter Version 0.9
; SEQ ID NO 312
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(0)
; OTHER INFORMATION: cSNP translation
US-10-393-815-312

Query Match      28.6%; Score 32; DB 14; Length 14;
Best Local Similarity 60.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      5 DQNRMKLADC 14
        |||||  |||
Db       2 DGNRSRLAPC 11

RESULT 12
US-10-362-527-148
; Sequence 148, Application US/10362527
; Publication No. US20040030106A1
; GENERAL INFORMATION:
; APPLICANT: Friede, Martin
; APPLICANT: Mason, Sean
; APPLICANT: Turnell, William Gordon
; APPLICANT: Vinals Y De Bassois, Carlota
```

```
; TITLE OF INVENTION: Vaccine Immunogens Comprising Disulphide Bridged Cyclised Peptide
; FILE REFERENCE: B45236
; CURRENT APPLICATION NUMBER: US/10/362,527
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: PCT/EP01/09576
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: GB 0020717.5
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 328
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 148
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial variant of Homo sapiens IgE peptide
US-10-362-527-148

Query Match      28.6%; Score 32; DB 15; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.5e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      10 KLADCAVG 17
        ::|||  |
Db       7 QMADCAAG 14

RESULT 13
US-09-864-761-34046
; Sequence 34046, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
```

```
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34046
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC004967.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.7
; US-09-864-761-34046
Query Match 28.6%; Score 32; DB 9; Length 19;
Best Local Similarity 36.4%; Pred. No. 4e+02;
Matches 4; Conservative 4; Mismatches 3; Indels 3; Gaps 0;
QY 3 NWQDNRMKLAD 13
Db :|||:|
1 SWESNLRKKD 11
RESULT 14
US-10-327-598-726
; Sequence 726, Application US/10327598
; Publication No. US20040181039A1
; GENERAL INFORMATION:
; APPLICANT: Krah, Eugene
; APPLICANT: Guo, Honliang
; APPLICANT: Aiyappa, Ashok
; APPLICANT: Lawton, Robert
; TITLE OF INVENTION: Canine Immunoglobulin Variable Domains, Caninized Antibodies, and
; TITLE OF INVENTION: for Making and Using Them
; FILE REFERENCE: 01-799-A
; CURRENT APPLICATION NUMBER: US/10/327,598
; CURRENT FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: US 60/344,874
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 1139
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 726
; LENGTH: 11
; TYPE: PRT
; ORGANISM: canis familiaris;
US-10-327-598-726
Query Match 27.7%; Score 31; DB 16; Length 11;
Best Local Similarity 40.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
QY 2 ANWDQNRMKL 11
Db :|||:|
1 SSWDNMLIKI 10
RESULT 15
US-09-855-604-70
; Sequence 70, Application US/09855604
; Publication No. US20040214165A1
; GENERAL INFORMATION:
; APPLICANT: GICQUEL, BRIGITTE
; APPLICANT: PORTNOI, DENIS
; APPLICANT: LIM, ENG-MONG
; APPLICANT: PELICIC, VLADIMIR
; APPLICANT: GUGUENO, AGNES
; APPLICANT: GOGUET DE LA SALAMONIERE, YVES
; TITLE OF INVENTION: POLYPEPTIDE NUCLEIC SEQUENCES EXPORTED FROM MYCOBACTERIA,
; TITLE OF INVENTION: VECTORS COMPRISING SAME AND USES FOR DIAGNOSING AND
; TITLE OF INVENTION: PREVENTING TUBERCULOSIS
; FILE REFERENCE: 03715.0062-01000
; CURRENT APPLICATION NUMBER: US/09/855,604
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 09/485,536
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: PCT/FR98/01813
; PRIOR FILING DATE: 1998-08-14
; PRIOR APPLICATION NUMBER: FR 97 10404
; PRIOR FILING DATE: 1997-08-14
; PRIOR APPLICATION NUMBER: FR 97 11325
; PRIOR FILING DATE: 1997-09-11
; NUMBER OF SEQ ID NOS: 935
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 70
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
; US-09-855-604-70
Query Match 27.7%; Score 31; DB 12; Length 12;
Best Local Similarity 50.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;
QY 8 RMKLADCAVGF 19
Db :|||:|
1 RARLPDCCGFG 12
Search completed: January 26, 2005, 00:51:32
Job time : 56.6 secs
```



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-4  
Perfect score: 112  
Sequence: 1 DANWDQNMKLADCAVGFGS 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5A COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/5B COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCUTUS COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	101	90.2	20	3	US-08-467-023-27
2	79	70.5	15	4	US-09-142-524D-18
3	75	67.0	15	4	US-09-142-524D-17
4	53	47.3	15	4	US-09-142-524D-19
5	53	47.3	20	3	US-08-467-023-28
6	48	42.9	15	4	US-09-142-524D-16
7	48	42.9	20	3	US-08-467-023-18
8	48	42.9	20	3	US-08-467-023-26
9	35.5	31.7	17	1	US-08-144-121-12
10	35.5	31.7	17	2	US-08-735-893-12
11	32	28.6	12	1	US-08-241-054-135
12	32	28.6	12	1	US-08-439-817-138
13	32	28.6	12	1	US-08-485-508-135
14	32	28.6	16	4	US-09-620-091-312
15	30.5	27.2	18	3	US-09-202-316-9
16	30	26.8	9	4	US-09-620-091-219
17	30	26.8	11	4	US-09-620-091-317
18	30	26.8	14	1	US-08-478-312-32
19	30	26.8	14	1	US-08-485-302-32
20	30	26.8	16	4	US-09-620-091-273
21	30	26.8	16	4	US-09-620-091-309
22	30	26.8	16	4	US-09-620-091-335
23	30	26.8	16	4	US-09-620-091-341
24	29	25.9	6	1	US-08-290-448A-43
25	29	25.9	6	1	US-08-290-448A-43
26	29	25.9	6	1	US-08-175-069A-43
27	29	25.9	6	3	US-08-461-939B-43

28	29	25.9	6	3	US-08-464-000-43	Sequence 43, Appl
29	29	25.9	9	4	US-09-620-091-265	Sequence 265, App
30	29	25.9	10	3	US-08-822-586-33	Sequence 33, Appl
31	29	25.9	12	1	US-08-241-054-140	Sequence 140, App
32	29	25.9	12	1	US-08-439-817-143	Sequence 143, App
33	29	25.9	12	1	US-08-485-508-140	Sequence 140, App
34	29	25.9	16	2	US-08-485-937-11	Sequence 11, Appl
35	29	25.9	16	2	US-08-373-215-11	Sequence 11, Appl
36	29	25.9	16	4	US-09-461-325-432	Sequence 432, App
37	29	25.9	16	4	US-10-012-542-432	Sequence 432, App
38	29	25.9	16	4	US-09-620-091-280	Sequence 280, App
39	29	25.9	16	4	US-09-620-091-292	Sequence 292, App
40	29	25.9	16	4	US-09-620-091-298	Sequence 298, App
41	29	25.9	16	4	US-09-620-091-333	Sequence 333, App
42	29	25.9	16	4	US-10-115-123-432	Sequence 432, App
43	29	25.9	16	5	PGT-US93-06552-11	Sequence 11, Appl
44	29	25.9	18	4	US-09-620-091-316	Sequence 316, App
45	29	25.9	20	3	US-08-290-736C-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1  
US-08-467-023-27  
; Sequence 27, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 27:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal



```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-28

Query Match 47.3%; Score 53; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.041; 0; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0;

QY 11 LADCAVGFGS 20
Db 1 LADCAVGFGS 10

RESULT 6
US-09-142-524D-16
; Sequence 16, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 2
US-09-142-524D-16

Query Match 42.9%; Score 48; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.2;
Matches 8; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY 1 DANWDQNRMK 10
Db 6 DSNWAQNRMK 15

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-28

Query Match 42.9%; Score 48; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.28;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQNRMK 10
Db 11 DSNWAQNRMK 20

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7
; OTHER INFORMATION: /note= "the amino acid at position 7 is Ser, Cys, Thr, or His"
US-08-467-023-18

Query Match 42.9%; Score 48; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.28;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQNRMK 10
Db 11 DSNWAQNRMK 20

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7
; OTHER INFORMATION: /note= "the amino acid at position 7 is Ser, Cys, Thr, or His"
US-08-467-023-18

Query Match 42.9%; Score 48; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.28;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQNRMK 10
Db 11 DSNWAQNRMK 20

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-28

Query Match 47.3%; Score 53; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.041; 0; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0;

QY 11 LADCAVGFGS 20
Db 1 LADCAVGFGS 10

RESULT 6
US-09-142-524D-16
; Sequence 16, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 2
US-09-142-524D-16

Query Match 42.9%; Score 48; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.2;
Matches 8; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY 1 DANWDQNRMK 10
Db 6 DSNWAQNRMK 15
```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/144,121
; FILING DATE: 27-OCT-1993
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Paul L.
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: (MGH-0780.0) MGP-021
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
;
US-08-144-121-12

      Query Match      31.7%; Score 35.5; DB 1; Length 17;
      Best Local Similarity 46.7%; Pred. No. 26;
      Matches 7; Conservative 4; Mismatches 3; Indels 1

QY      5 DON-RMKLADCAVGF 18
      |:| :| :| :| :|
DB      1 DENPDICADCPIGF 15

RESULT 10
US-08-735-893-12
; Sequence 12, Application US/08735893
; Patent No. 5914317
; GENERAL INFORMATION:
; APPLICANT: Burgeson, Robert E.
; APPLICANT: Magman, David W.
; TITLE OF INVENTION: B1k CHAIN OF LAMININ AND METHODS OF USE
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: BOSTON
; STATE: Massachusetts
; COUNTRY: United States
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/735,893
; FILING DATE: 18-OCT-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/144,121
; FILING DATE: 27-OCT-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Paul L.
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: (MGH-0780.1) MGP-021DV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids

```

US-08-439-817-138

Query Match 28.6%; Score 32; DB 1; Length 12;  
Best Local Similarity 83.3%; Pred. No. 67;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQ 6  
|||  
Db 1 DATWDQ 6

RESULT 13  
US-08-485-508-135  
; Sequence 135, Application US/08485508  
; Patent No. 5786322  
; GENERAL INFORMATION:  
; APPLICANT: Barrett, Ronald W.  
; APPLICANT: Cwiria, Steven E.  
; APPLICANT: Dower, William J.  
; APPLICANT: Koller, Kerry J.  
; APPLICANT: Lee, Jung  
; APPLICANT: Martens, Christine L.  
; APPLICANT: Ruhland-Fritsch, Beatrice  
; TITLE OF INVENTION: Peptides and Compounds That Bind  
; TITLE OF INVENTION: Selectins Including Endothelial Leukocyte Adhesion  
; TITLE OF INVENTION: Molecule I  
; NUMBER OF SEQUENCES: 162  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Affymax Technologies, NV  
; STREET: 4001 Miranda Ave.  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/485,508  
; FILING DATE: Herewith  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/241,054  
; FILING DATE: 11-MAY-1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/057,295  
; FILING DATE: 05-MAY-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/881,395  
; FILING DATE: 06-MAY-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Stevens, Lauren L.  
; REGISTRATION NUMBER: 36,691  
; REFERENCE/DOCKET NUMBER: 000324-002/1056  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-496-2300  
; TELEFAX: 415-424-0832  
; INFORMATION FOR SEQ ID NO: 135:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 12 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Region  
; LOCATION: one-of(11)  
; OTHER INFORMATION: /note= "Xaa is norleucine."  
; FEATURE:  
; NAME/KEY: Region  
; LOCATION: one-of(12)

; OTHER INFORMATION: /note= "C-terminal Lys is hydroxylated."  
US-08-485-508-135

Query Match 28.6%; Score 32; DB 1; Length 12;  
Best Local Similarity 83.3%; Pred. No. 67;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 DANWDQ 6  
|||  
Db 1 DATWDQ 6

RESULT 14  
US-09-620-091-312  
; Sequence 312, Application US/09620091  
; Patent No. 6716811  
; GENERAL INFORMATION:  
; APPLICANT: CWIRLA, STEVEN E.  
; APPLICANT: BALU, PALANI  
; APPLICANT: DUFFIN, DAVID J.  
; APPLICANT: PIPLANI, SUNILA  
; APPLICANT: MERRILL, BARBARA MCEOWEN  
; APPLICANT: SCHATZ, PETER JOSEPH  
; TITLE OF INVENTION: COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY  
; TITLE OF INVENTION: STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED  
; TITLE OF INVENTION: USES  
; FILE REFERENCE: 0300-0014  
; CURRENT APPLICATION NUMBER: US/09/620,091  
; CURRENT FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 491  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 312  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: Peptide  
US-09-620-091-312

Query Match 28.6%; Score 32; DB 4; Length 16;  
Best Local Similarity 60.0%; Pred. No. 92;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 6 QNRMKLADCA 15  
|:|:|:|  
Db 4 QCELKLAECA 13

RESULT 15  
US-09-202-316-9  
; Sequence 9, Application US/09202316  
; Patent No. 6297054  
; GENERAL INFORMATION:  
; APPLICANT: Pal Maliga  
; APPLICANT: Helaine Carrer  
; APPLICANT: Sumita Chaudhuri  
; TITLE OF INVENTION: Editing-Based Selectable Plastid Marker  
; TITLE OF INVENTION: Genes  
; FILE REFERENCE: Rut-96-06041  
; CURRENT APPLICATION NUMBER: US/09/202,316  
; CURRENT FILING DATE: 1999-06-01  
; PRIOR APPLICATION NUMBER: PCT/US97/10318  
; PRIOR FILING DATE: 1997-06-13  
; PRIOR APPLICATION NUMBER: 60/019,741  
; PRIOR FILING DATE: 1996-06-14  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 9  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:

OTHER INFORMATION: Synthetic Sequence  
US-09-202-316-9

Query Match 27.2%; Score 30.5; DB 3; Length 18;  
Best Local Similarity 50.0%; Pred. No. 1.9e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 3; Gaps 1;

Qy 3 NWDONRMKLADC 14  
|||:|  
Db 3 NWGLNKM---DC 11

Search completed: January 26, 2005, 00:05:10  
Job time : 17.9 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds  
(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-6

Perfect score: 106

Sequence: 1 SAMGGKGAFYVTSSDDDP 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep:\*  
17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep:\*  
19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*  
20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	66	62.3	15	14	US-10-354-240-22
2	58	54.7	15	14	US-10-354-240-21
3	51	48.1	15	14	US-10-354-240-23
4	38	35.8	15	14	US-10-354-240-20
5	34	32.1	19	16	US-10-387-955-62
6	34	32.1	19	16	US-10-387-955-68
7	34	32.1	20	14	US-10-280-066-48
8	33	31.1	12	14	US-10-202-189-24
9	33	31.1	12	14	US-10-202-189-29
10	33	31.1	12	14	US-10-016-986-48
11	33	31.1	12	15	US-10-637-935-24
12	33	31.1	12	15	US-10-637-935-29
13	33	31.1	15	15	US-10-419-462-25
					Sequence 22, Appl
					Sequence 21, Appl
					Sequence 23, Appl
					Sequence 20, Appl
					Sequence 62, Appl
					Sequence 68, Appl
					Sequence 48, Appl
					Sequence 24, Appl
					Sequence 29, Appl
					Sequence 48, Appl
					Sequence 24, Appl
					Sequence 29, Appl
					Sequence 25, Appl

14	33	31.1	18	17	US-10-477-238A-758	Sequence 758, App
15	33	31.1	18	17	US-10-680-287A-758	Sequence 758, App
16	33	31.1	20	9	US-09-791-378-181	Sequence 181, App
17	33	31.1	20	9	US-09-791-378-450	Sequence 450, App
18	33	31.1	20	10	US-09-791-393-270	Sequence 270, App
19	33	31.1	20	10	US-09-791-389-270	Sequence 270, App
20	33	31.1	20	11	US-09-791-377-181	Sequence 181, App
21	33	31.1	20	11	US-09-791-377-450	Sequence 450, App
22	33	31.1	20	14	US-10-280-066-288	Sequence 288, App
23	32	30.2	15	16	US-10-654-200-87	Sequence 87, Appl
24	32	30.2	15	16	US-10-654-200-90	Sequence 90, Appl
25	32	30.2	15	17	US-10-769-514-19	Sequence 19, Appl
26	32	30.2	19	14	US-10-059-271-33	Sequence 33, Appl
27	32	30.2	20	14	US-10-047-403-13	Sequence 13, Appl
28	31	29.2	9	16	US-10-655-702-3	Sequence 3, Appl
29	31	29.2	10	9	US-09-810-310-17	Sequence 17, Appl
30	31	29.2	10	9	US-09-087-513-17	Sequence 17, Appl
31	31	29.2	12	9	US-09-873-459A-3	Sequence 3, Appl
32	31	29.2	12	10	US-09-964-201A-16	Sequence 16, Appl
33	31	29.2	12	14	US-10-448-546-3	Sequence 3, Appl
34	31	29.2	12	16	US-10-681-389-16	Sequence 16, Appl
35	31	29.2	12	16	US-10-681-388-16	Sequence 16, Appl
36	31	29.2	12	17	US-10-872-550-3	Sequence 3, Appl
37	31	29.2	13	14	US-10-213-742-1	Sequence 1, Appl
38	31	29.2	13	15	US-10-373-592-118	Sequence 118, App
39	31	29.2	13	17	US-10-832-636-5	Sequence 5, Appl
40	31	29.2	14	12	US-09-855-604-642	Sequence 642, App
41	31	29.2	14	16	US-10-654-200-41	Sequence 41, Appl
42	31	29.2	14	16	US-10-654-200-42	Sequence 42, Appl
43	31	29.2	14	16	US-10-654-200-89	Sequence 89, Appl
44	31	29.2	14	16	US-10-654-200-92	Sequence 92, Appl
45	31	29.2	15	9	US-09-775-805-50	Sequence 50, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-22  
; Sequence 22, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 22  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8  
US-10-354-240-22

Query Match 62.3%; Score 66; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.0073;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 KGGAFYVTSSDDDP 20  
||| |||||

Db 1 KGGDLYTVTNSDDDP 15

RESULT 2

US-10-354-240-21

; Sequence 21, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 21

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 7

US-10-354-240-21

Query Match 54.7%; Score 58; DB 14; Length 15;

Best Local Similarity 73.3%; Pred. No. 0.11;

Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 SAMGGKGGAFYTVTS 15

Db 1 STWGGKGGDLYTVTN 15

RESULT 3

US-10-354-240-23

; Sequence 23, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 23

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9

US-10-354-240-23

Query Match 48.1%; Score 51; DB 14; Length 15;

Best Local Similarity 90.0%; Pred. No. 1.2;

Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 11 YVTSSDDDP 20

Db 1 YVTNSDDDP 10

RESULT 4

US-10-354-240-20

; Sequence 20, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 20

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 6

US-10-354-240-20

Query Match 35.8%; Score 38; DB 14; Length 15;

Best Local Similarity 87.5%; Pred. No. 96;

Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 SAMGGKGG 8

Db 6 STWGGKGG 13

RESULT 5

US-10-387-955-62

; Sequence 62, Application US/10387955

; Publication No. US20040185044A1

; GENERAL INFORMATION:

; APPLICANT: GlaxoSmithKline Biologicals s.a. and BioInvent International AB

; TITLE OF INVENTION: Vaccine

; FILE REFERENCE: VB60138

; CURRENT APPLICATION NUMBER: US/10/387,955

; CURRENT FILING DATE: 2003-03-13

; NUMBER OF SEQ ID NOS: 78

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 62

; LENGTH: 19

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-387-955-62

Query Match 32.1%; Score 34; DB 16; Length 19;

Best Local Similarity 46.7%; Pred. No. 4.8e+02;

Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 SAMGGKGGAFYTVTS 15

Db 1 SAISGGGTYTADS 15

```
RESULT 6
US-10-387-955-68
; Sequence 68, Application US/10387955
; Publication No. US20040185044A1
; GENERAL INFORMATION:
; APPLICANT: GlaxoSmithKline Biologicals s.a. and BioInvent International AB
; TITLE OF INVENTION: Vaccine
; FILE REFERENCE: VB60138
; CURRENT APPLICATION NUMBER: US/10/387,955
; CURRENT FILING DATE: 2003-03-13
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-387-955-68

Query Match          32.1%; Score 34; DB 16; Length 19;
Best Local Similarity 46.7%; Pred. No. 4.8e+02;
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY      1 SAMGKGKGFYTVTS 15
      ||: |||: |
Db      1 SAISGGSTYYADS 15

RESULT 7
US-10-280-066-48
; Sequence 48, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND
; FILE REFERENCE: 2598-4009U51
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Escherichia coli
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: DGI-2-20P-PP-E11
US-10-280-066-48

Query Match          32.1%; Score 34; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 5e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      2 AMGKGKGFY 11
      |: |||: ||
Db      10 ALGGGGARFY 19

RESULT 8
US-10-202-189-24
; Sequence 24, Application US/10202189
; Publication No. US20030022225A1
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
```

```
; APPLICANT: Pollart, Daniel J.
; APPLICANT: Shaler, Thomas A.
; TITLE OF INVENTION: Releasable No. US20030022225A1volatile Mass-Label Molecules
; FILE REFERENCE: 24736-2057D
; CURRENT APPLICATION NUMBER: US/10/202,189
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER:
; PRIOR APPLICATION NUMBER: US 08/988,024
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: US 60/033,037
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/046,719
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligopeptide
US-10-202-189-24
```

```
Query Match          31.1%; Score 33; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      4 GKGKGA 9
      |||||
Db      7 GKGKGA 12
```

```
RESULT 9
US-10-202-189-29
; Sequence 29, Application US/10202189
; Publication No. US20030022225A1
; GENERAL INFORMATION:
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
; APPLICANT: Pollart, Daniel J.
; APPLICANT: Shaler, Thomas A.
; TITLE OF INVENTION: Releasable No. US20030022225A1volatile Mass-Label Molecules
; FILE REFERENCE: 24736-2057D
; CURRENT APPLICATION NUMBER: US/10/202,189
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER:
; PRIOR APPLICATION NUMBER: US 08/988,024
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: US 60/033,037
; PRIOR FILING DATE: 1996-12-10
; PRIOR APPLICATION NUMBER: US 60/046,719
; PRIOR FILING DATE: 1997-05-16
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligopeptide
US-10-202-189-29
```

```
Query Match          31.1%; Score 33; DB 14; Length 12;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      4 GKGKGA 9
      |||||
Db      7 GKGKGA 12
```

```
RESULT 10
US-10-016-986-48
```

; Sequence 48, Application US/10016986  
; Publication No. US20030187247A1  
; GENERAL INFORMATION:  
; APPLICANT: Burton, Dennis R  
; APPLICANT: Barbas, Carlos F  
; APPLICANT: Lerner, Richard A  
; TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES  
; TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS  
; FILE REFERENCE: 313.2CON1  
; CURRENT APPLICATION NUMBER: US/10/016,986  
; CURRENT FILING DATE: 2001-12-12  
; PRIOR APPLICATION NUMBER: US 09/149,898  
; PRIOR FILING DATE: 1998-09-08  
; PRIOR APPLICATION NUMBER: US 08/899,575  
; PRIOR FILING DATE: 1997-07-24  
; PRIOR APPLICATION NUMBER: US 08/276,852  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: US 08/178,302  
; PRIOR FILING DATE: 1994-01-06  
; PRIOR APPLICATION NUMBER: PCT/US93/09328  
; PRIOR FILING DATE: 1993-09-30  
; PRIOR APPLICATION NUMBER: US 07/954,148  
; PRIOR FILING DATE: 1992-09-30  
; NUMBER OF SEQ ID NOS: 176  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 48  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthesized  
US-10-016-986-48

Query Match 31.1%; Score 33; DB 14; Length 12;  
Best Local Similarity 54.5%; Pred. No. 4.2e+02;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 AMGGKGGAFYT 12  
: : | | | | |  
Db 1 SISGPGRAFT 11

RESULT 11  
US-10-637-935-24  
; Sequence 24, Application US/10637935  
; Publication No. US20040033525A1  
; GENERAL INFORMATION:  
; APPLICANT: Monforte, Joseph A.  
; APPLICANT: Becker, Christopher H.  
; APPLICANT: Pollart, Daniel J.  
; APPLICANT: Shaler, Thomas A.  
; TITLE OF INVENTION: Releasable No. US20040033525A1volatile Mass-Label Molecules  
; FILE REFERENCE: 24736-2057E  
; CURRENT APPLICATION NUMBER: US/10/637,935  
; CURRENT FILING DATE: 2003-08-07  
; PRIOR APPLICATION NUMBER: US 10/202,189  
; PRIOR FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: US 08/988,024  
; PRIOR FILING DATE: 1997-12-10  
; PRIOR APPLICATION NUMBER: US 60/033,037  
; PRIOR FILING DATE: 1996-12-10  
; PRIOR APPLICATION NUMBER: US 60/046,719  
; PRIOR FILING DATE: 1997-05-16  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 24  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligopeptide  
US-10-637-935-24

Query Match 31.1%; Score 33; DB 15; Length 12;  
Best Local Similarity 100.0%; Pred. No. 4.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 GKGGA 9  
: : | | | | |  
Db 7 GKGGA 12

RESULT 12  
US-10-637-935-29  
; Sequence 29, Application US/10637935  
; Publication No. US20040033525A1  
; GENERAL INFORMATION:  
; APPLICANT: Monforte, Joseph A.  
; APPLICANT: Becker, Christopher H.  
; APPLICANT: Pollart, Daniel J.  
; APPLICANT: Shaler, Thomas A.  
; TITLE OF INVENTION: Releasable No. US20040033525A1volatile Mass-Label Molecules  
; FILE REFERENCE: 24736-2057E  
; CURRENT APPLICATION NUMBER: US/10/637,935  
; CURRENT FILING DATE: 2003-08-07  
; PRIOR APPLICATION NUMBER: US 10/202,189  
; PRIOR FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: US 08/988,024  
; PRIOR FILING DATE: 1997-12-10  
; PRIOR APPLICATION NUMBER: US 60/033,037  
; PRIOR FILING DATE: 1996-12-10  
; PRIOR APPLICATION NUMBER: US 60/046,719  
; PRIOR FILING DATE: 1997-05-16  
; NUMBER OF SEQ ID NOS: 36  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 29  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligopeptide  
US-10-637-935-29

Query Match 31.1%; Score 33; DB 15; Length 12;  
Best Local Similarity 100.0%; Pred. No. 4.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 GKGGA 9  
: : | | | | |  
Db 7 GKGGA 12

RESULT 13  
US-10-419-462-25  
; Sequence 25, Application US/10419462  
; Publication No. US20040053392A1  
; GENERAL INFORMATION:  
; APPLICANT: Kevin J. Williams  
; APPLICANT: Williams, Kevin J.  
; TITLE OF INVENTION: Thrombospondin Fragments and Uses Thereof In Clinical Assays for  
; TITLE OF INVENTION: Cancer and Generation of Antibodies and Other Binding Agents  
; FILE REFERENCE: W1107-20005  
; CURRENT APPLICATION NUMBER: US/10/419,462  
; CURRENT FILING DATE: 2003-04-17  
; NUMBER OF SEQ ID NOS: 53  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 25  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Thrombospondin Region  
US-10-419-462-25

Query Match 31.1%; Score 33; DB 15; Length 15;  
Best Local Similarity 50.0%; Pred. No. 5.2e+02;

Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 8 KGFYTVTSSDDDD 19  
| | : | | |  
Db 4 GTFFINTERDDDD 15

## RESULT 14

US-10-477-238A-758

; Sequence 758, Application US/10477238A

; Publication No. US20040221326A1

; GENERAL INFORMATION:

; APPLICANT: BabiJ, Philip

; APPLICANT: Yaworsky, Paul

; APPLICANT: Bex, Frederick J. III

; APPLICANT: Bodine, Peter Van Nest

; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation

; FILE REFERENCE: 032796-212

; CURRENT APPLICATION NUMBER: US/10/477,238A

; CURRENT FILING DATE: 2003-11-10

; PRIOR APPLICATION NUMBER: US 60/290,071

; PRIOR FILING DATE: 2001-05-11

; PRIOR APPLICATION NUMBER: US 60/291,311

; PRIOR FILING DATE: 2001-05-17

; PRIOR APPLICATION NUMBER: US 60/353,058

; PRIOR FILING DATE: 2002-02-01

; PRIOR APPLICATION NUMBER: US 60/361,293

; PRIOR FILING DATE: 2002-03-04

; NUMBER OF SEQ ID NOS: 812

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 758

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: peptide from Zmax1 sequence (SEQ ID NO: 3)

US-10-477-238A-758

## Query Match

Best Local Similarity 31.1%; Score 33; DB 17; Length 18;

Matches 6; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 6 KGFYTVTSSDDDD 20  
| | : | | |  
Db 3 KASKYYLDLNSDDSDP 17

## RESULT 15

US-10-680-287A-758

; Sequence 758, Application US/10680287A

; Publication No. US20040244069A1

; GENERAL INFORMATION:

; APPLICANT: BabiJ, Philip

; APPLICANT: Yaworsky, Paul

; APPLICANT: Bex, Frederick J. III

; APPLICANT: Bodine, Peter Van Nest

; TITLE OF INVENTION: Transgenic Animal Model of Bone Mass Modulation

; FILE REFERENCE: 032796-179

; CURRENT APPLICATION NUMBER: US/10/680,287A

; CURRENT FILING DATE: 2003-10-08

; PRIOR APPLICATION NUMBER: PCT/US02/14876

; PRIOR FILING DATE: 2002-05-13

; PRIOR APPLICATION NUMBER: US 60/290,071

; PRIOR FILING DATE: 2001-05-11

; PRIOR APPLICATION NUMBER: US 60/291,311

; PRIOR FILING DATE: 2001-05-17

; PRIOR APPLICATION NUMBER: US 60/353,058

; PRIOR FILING DATE: 2002-02-01

; PRIOR APPLICATION NUMBER: US 60/361,293

; PRIOR FILING DATE: 2002-03-04

; NUMBER OF SEQ ID NOS: 812

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 758

; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: peptide from Zmax1 sequence (SEQ ID NO: 3)  
US-10-680-287A-758

## Query Match

Best Local Similarity 31.1%; Score 33; DB 17; Length 18;

Matches 6; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 6 KGFYTVTSSDDDD 20  
| | : | | |  
Db 3 KASKYYLDLNSDDSDP 17

Search completed: January 26, 2005, 00:51:34

Job time : 57.6 secs

**This Page Blank (unpro)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-6

Perfect score: 106

Sequence: 1 SAMGGKGAFYVTSSDDDP 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/prodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/prodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	87	82.1	20	3	US-08-467-023-29
2	66	62.3	15	4	US-09-142-524D-22
3	58	54.7	15	4	US-09-142-524D-21
4	51	48.1	15	4	US-09-142-524D-23
5	51	48.1	20	3	US-08-467-023-30
6	38	35.8	15	4	US-09-142-524D-20
7	38	35.8	20	3	US-08-467-023-28
8	36	34.0	14	1	US-08-290-448A-52
9	36	34.0	14	1	US-08-290-448A-52
10	36	34.0	14	1	US-08-175-069A-52
11	36	34.0	14	3	US-08-461-939B-52
12	36	34.0	14	3	US-08-464-000-52
13	34	32.1	15	2	US-08-455-625-19
14	34	32.1	15	3	US-08-455-685-19
15	34	32.1	15	3	US-08-060-988A-19
16	34	32.1	15	5	PCT-US94-05142-19
17	34	32.1	18	1	US-08-323-192D-70
18	34	32.1	20	1	US-08-257-528B-51
19	34	32.1	20	1	US-08-460-602A-51
20	34	32.1	20	1	US-08-463-966A-51
21	34	32.1	20	1	US-08-465-217A-51
22	34	32.1	20	2	US-08-464-329A-51
23	34	32.1	20	2	US-08-462-507A-51
24	34	32.1	20	2	US-08-467-881A-51
25	33	31.1	12	1	US-08-276-852-48
26	33	31.1	12	1	US-08-899-575-48
27	33	31.1	12	1	US-08-899-575-48

28 33 31.1 12 4 US-08-988-024C-24 Sequence 24, Appl  
29 33 31.1 12 4 US-08-988-024C-29 Sequence 29, Appl  
30 33 31.1 12 5 PCT-US95-08743-48 Sequence 48, Appl  
31 32 30.2 12 1 US-08-116-733-29 Sequence 29, Appl  
32 32 30.2 18 2 US-08-706-209-10 Sequence 10, Appl  
33 32 30.2 18 3 US-08-981-787-6 Sequence 6, Appl  
34 32 30.2 18 4 US-09-613-743A-6 Sequence 6, Appl  
35 32 30.2 18 5 PCT-US96-11375-6 Sequence 6, Appl  
36 32 30.2 20 3 US-08-899-279-13 Sequence 13, Appl  
37 32 30.2 20 4 US-08-899-279-13 Sequence 13, Appl  
38 32 30.2 20 4 US-10-047-403-13 Sequence 13, Appl  
39 31 29.2 8 1 US-08-279-906A-7 Sequence 7, Appl  
40 31 29.2 10 1 US-08-253-030-23 Sequence 23, Appl  
41 31 29.2 10 1 US-08-323-192D-53 Sequence 53, Appl  
42 31 29.2 10 1 US-08-323-192D-56 Sequence 56, Appl  
43 31 29.2 10 3 US-09-256-194-3 Sequence 3, Appl  
44 31 29.2 10 4 US-09-536-977-118 Sequence 118, Appl  
45 31 29.2 11 1 US-08-257-528B-18 Sequence 18, Appl

#### ALIGNMENTS

#### RESULT 1

US-08-467-023-29  
; Sequence 29, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffoeth, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 29:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-29

Query Match 82.1%; Score 87; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 5.4e-07;  
Matches 16; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 SAMGKGGAFYTVTSSDDDP 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 STMGKGGLYTVTNSDDDP 20

## RESULT 2

US-09-142-524D-22  
; Sequence 22, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 22  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8  
US-09-142-524D-22

Query Match 62.3%; Score 66; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.00068;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 KGGAFYTVTSSDDDP 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 KGGGLYTVTNSDDDP 15

## RESULT 3

US-09-142-524D-21  
; Sequence 21, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 21  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 7  
US-09-142-524D-21

Query Match 54.7%; Score 58; DB 4; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.012;  
Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 SAMGKGGAFYTVTS 15  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 STMGKGGLYTVTN 15

## RESULT 4

US-09-142-524D-23  
; Sequence 23, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 23  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9  
US-09-142-524D-23

Query Match 48.1%; Score 51; DB 4; Length 15;  
Best Local Similarity 90.0%; Pred. No. 0.14;  
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 11 YTVTSDDDP 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 YTVTNSDDDP 10

## RESULT 5

US-08-467-023-30  
; Sequence 30, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154



; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, suite 510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/290,448A  
; FILING DATE: August 15, 1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: May 29, 1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: March 17, 1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018CN  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)227-5941  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
; US-08-290-448A-52

Query Match 34.0%; Score 36; DB 1; Length 14;  
Best Local Similarity 77.8%; Pred. No. 27;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 YTVTSDDDD 19  
Db 1 YTVTSDDKDD 9

RESULT 9  
US-08-290-448A-52  
; Sequence 52, Application US/08290448A  
; Patent No. 5698204  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-chang  
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, suite 510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/290,448A  
; FILING DATE: August 15, 1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/529,951

; FILING DATE: May 29, 1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: March 17, 1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018CN  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)227-5941  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
; US-08-290-448A-52

Query Match 34.0%; Score 36; DB 1; Length 14;  
Best Local Similarity 77.8%; Pred. No. 27;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 YTVTSDDDD 19  
Db 1 YTVTSDDKDD 9

RESULT 10  
US-08-175-069A-52  
; Sequence 52, Application US/08175069A  
; Patent No. 5776761  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-chang  
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/175,069A  
; FILING DATE: December 29, 1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: May 29, 1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: March 17, 1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018DV  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)227-5941  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-175-069A-52

Query Match 34.0%; Score 36; DB 1; Length 14;  
Best Local Similarity 77.8%; Pred. No. 27;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDD 19  
|||||  
Db 1 YTVTSDKDD 9

RESULT 11

US-08-461-939B-52  
; Sequence 52, Application US/08461939B  
; Patent No. 6335019  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-Chang  
; TITLE OF INVENTION: Methods For Treating Sensitivity To A  
; TITLE OF INVENTION: Protein Allergen Using Peptides Which Include A T Cell Epitope  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/461,939B  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/464,000  
; FILING DATE: 05-JUN-1995  
; FILING DATE: 15-AUG-1994  
; APPLICATION NUMBER: US 08/290,448  
; FILING DATE: 15-AUG-1994  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: 29-MAY-1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: 17-MAR-1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018CNDV  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)742-4214  
; TELEFAX: (617)742-4214  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-461-939B-52

Query Match 34.0%; Score 36; DB 3; Length 14;  
Best Local Similarity 77.8%; Pred. No. 27;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDD 19  
|||||  
Db 1 YTVTSDKDD 9

RESULT 12

US-08-464-000-52

; Sequence 52, Application US/08464000  
; Patent No. 6335020  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-Chang  
; TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/464,000  
; FILING DATE: 05-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/290,448  
; FILING DATE: 15-AUG-1994  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: 29-MAY-1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: 17-MAR-1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018CN2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)227-5941  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-464-000-52

Query Match 34.0%; Score 36; DB 3; Length 14;  
Best Local Similarity 77.8%; Pred. No. 27;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 YTVTSSDDD 19  
|||||  
Db 1 YTVTSDKDD 9

RESULT 13

US-08-455-625-19  
; Sequence 19, Application US/08455625  
; Patent No. 5932218  
; GENERAL INFORMATION:  
; APPLICANT: Berzofsky, Jay A.  
; APPLICANT: Ahlers, Jeffrey D.  
; APPLICANT: Pendleton, C. D.  
; APPLICANT: Nara, Peter  
; APPLICANT: Shirai, Mutsumori  
; TITLE OF INVENTION: COMPOSITE SYNTHETIC PEPTIDE CONSTRUCT  
; TITLE OF INVENTION: ELICITING NEUTRALIZING ANTIBODIES AND CYTOTOXIC T  
; TITLE OF INVENTION: LYMPHOCYTES AGAINST HIV  
; NUMBER OF SEQUENCES: 36  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Birch, Stewart, Kolasch & Birch

```

; STREET: P.O. Box 747
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,625
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/060,988
; FILING DATE: 14-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Svensson, Leonard R.
; REGISTRATION NUMBER: 30330
; REFERENCE/DOCKET NUMBER: 1173-434P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-205-8000
; TELEFAX: 703-205-8050
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..15
; OTHER INFORMATION: /label= peptide
; OTHER INFORMATION: /note= "p18-II, see Table V"
; US-08-455-625-19

Query Match 32.1%; Score 34; DB 2; Length 15;
Best Local Similarity 66.7%; Pred. No. 59;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 GKGGAFYTV 13
DB 5 GPGRAFYTI 13

RESULT 14
US-08-455-685-19
; Sequence 19, Application US/08455685
; Patent No. 6214347
; GENERAL INFORMATION:
; APPLICANT: Berzofsky, Jay A.
; APPLICANT: Ahlers, Jeffrey D.
; APPLICANT: Pendleton, C. David
; APPLICANT: Nara, Peter
; APPLICANT: Shirai, Mutsunori
; TITLE OF INVENTION: MULTIDETERMINANT PEPTIDES THAT ELICIT
; TITLE OF INVENTION: HELPER T-LYMPHOCYTE, CYTOTOXIC T LYMPHOCYTE AND
; TITLE OF INVENTION: NEUTRALIZING ANTIBODY RESPONSES AGAINST HIV-1
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSEQ for Windows Version 2.0

QY 5 GKGGAFYTV 13
DB 5 GPGRAFYTI 13

RESULT 15
US-08-060-988A-19
; Sequence 19, Application US/08060988A
; Patent No. 6294322
; GENERAL INFORMATION:
; APPLICANT: Berzofsky, Jay A.
; APPLICANT: Ahlers, Jeffrey D.
; APPLICANT: Pendleton, C. David
; APPLICANT: Nara, Peter
; APPLICANT: Shirai, Mutsunori
; TITLE OF INVENTION: MULTIDETERMINANT PEPTIDES
; TITLE OF INVENTION: THAT ELICIT
; TITLE OF INVENTION: HELPER T-LYMPHOCYTE, CYTOTOXIC T LYMPHOCYTE AND
; TITLE OF INVENTION: NEUTRALIZING ANTIBODY RESPONSES AGAINST HIV-1
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/060,988A
; FILING DATE: 14-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/847,311
; FILING DATE: 06-MAR-1992
; APPLICATION NUMBER: 07/751,998
; FILING DATE: 29-AUG-1991
; APPLICATION NUMBER: 07/148,692
; FILING DATE: 26-JAN-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Beattie, Ingrid A.
; REGISTRATION NUMBER: P-42,306
; REFERENCE/DOCKET NUMBER: 08830/022003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-455-685-19

Query Match 32.1%; Score 34; DB 3; Length 15;
Best Local Similarity 66.7%; Pred. No. 59;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 GKGGAFYTV 13
DB 5 GPGRAFYTI 13
```

```
; FILING DATE: 26-JAN-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Beattie, Ingrid A.
; REGISTRATION NUMBER: P-42,306
; REFERENCE/DOCKET NUMBER: 08830/022001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-060-988A-19

Query Match      32.1%; Score 34; DB 3; Length 15;
Best Local Similarity 66.7%; Pred. No. 59;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      5 GKGGAFYTV 13
Db      5 GPGRAFYTI 13
```

Search completed: January 26, 2005, 00:05:11  
Job time : 17.9 secs

Page Blank (uspto)

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds  
(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-7  
Perfect score: 109  
Sequence: 1 YVTSDDPVPNAPGTLRY 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	84	77.1	15	14 US-10-354-240-24	Sequence 24, Appl
2	79	72.5	15	14 US-10-354-240-23	Sequence 23, Appl
3	55	50.5	15	14 US-10-354-240-25	Sequence 25, Appl
4	51	46.8	15	14 US-10-354-240-22	Sequence 22, Appl
5	38	34.9	20	14 US-10-193-002-275	Sequence 275, App
6	38	34.9	20	14 US-10-084-843-280	Sequence 280, App
7	34	31.2	17	10 US-09-996-069-15	Sequence 15, Appl
8	34	31.2	17	10 US-09-996-069-16	Sequence 16, Appl
9	34	31.2	17	15 US-10-601-837-242	Sequence 242, App
10	34	31.2	20	14 US-10-192-832-50	Sequence 50, Appl
11	33	30.3	16	9 US-09-096-749A-3	Sequence 3, Appl
12	33	30.3	16	9 US-09-984-183-17	Sequence 17, Appl
13	33	30.3	16	9 US-09-984-333-7	Sequence 7, Appl

14	33	30.3	16	10 US-09-903-412-3	Sequence 3, Appl
15	33	30.3	16	11 US-09-143-379-1	Sequence 1, Appl
16	33	30.3	16	14 US-10-174-717A-3	Sequence 3, Appl
17	33	30.3	16	14 US-10-165-155-3	Sequence 3, Appl
18	33	30.3	16	14 US-10-190-162-3	Sequence 3, Appl
19	33	30.3	18	9 US-09-815-346-3	Sequence 3, Appl
20	33	30.3	18	14 US-10-106-876-6	Sequence 6, Appl
21	33	30.3	18	14 US-10-106-876-17	Sequence 17, Appl
22	33	30.3	19	9 US-09-815-346-2	Sequence 2, Appl
23	33	30.3	19	9 US-09-815-346-6	Sequence 6, Appl
24	33	30.3	19	14 US-10-106-876-5	Sequence 5, Appl
25	33	30.3	20	9 US-09-984-183-16	Sequence 16, Appl
26	33	30.3	20	9 US-09-822-698A-7	Sequence 7, Appl
27	33	30.3	20	9 US-09-822-698A-8	Sequence 8, Appl
28	33	30.3	20	9 US-09-984-333-6	Sequence 6, Appl
29	33	30.3	20	9 US-09-984-333-9	Sequence 9, Appl
30	33	30.3	20	10 US-09-834-240-1	Sequence 1, Appl
31	33	30.3	20	13 US-10-054-488-1	Sequence 1, Appl
32	33	30.3	20	14 US-10-289-921-1	Sequence 1, Appl
33	33	30.3	20	14 US-10-106-876-19	Sequence 19, Appl
34	33	30.3	20	14 US-10-292-896-1	Sequence 1, Appl
35	33	30.3	20	15 US-10-296-317-45	Sequence 45, Appl
36	33	30.3	20	17 US-10-776-013-354	Sequence 354, App
37	31	28.4	12	15 US-10-415-586-8	Sequence 8, Appl
38	31	28.4	18	15 US-10-378-085-17	Sequence 17, Appl
39	31	28.4	18	15 US-10-444-070-17	Sequence 17, Appl
40	31	28.4	20	9 US-09-731-221-60	Sequence 60, Appl
41	31	28.4	20	9 US-09-731-221-61	Sequence 61, Appl
42	31	28.4	20	14 US-10-047-403-13	Sequence 13, Appl
43	31	28.4	20	14 US-10-225-567A-1504	Sequence 1504, Ap
44	31	28.4	20	14 US-10-225-567A-1505	Sequence 1505, Ap
45	31	28.4	20	14 US-10-161-791-146	Sequence 146, App

ALIGNMENTS

RESULT 1

US-10-354-240-24  
; Sequence 24, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Some, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 24  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10  
US-10-354-240-24

Query Match 77.1%; Score 84; DB 14; Length 15;  
Best Local Similarity 100.0%; Pred. No. 2.7e-05;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SDDPVPNAPGTLRY 20  
|||||||

Db 1 SDDDPVNPAPGTLRY 15

RESULT 2

US-10-354-240-23  
; Sequence 23, Application US/10354240  
; Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio  
APPLICANT: Dairiki, Kazuo  
APPLICANT: Iwama, Akiko  
APPLICANT: Kino, Kohsuke  
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
FILE REFERENCE: SPO-103D1  
CURRENT APPLICATION NUMBER: US/10/354,240  
CURRENT FILING DATE: 2003-01-29  
PRIOR APPLICATION NUMBER: PCT/JP97/00740  
PRIOR FILING DATE: 1997-03-10  
PRIOR APPLICATION NUMBER: US 09/142,524  
PRIOR FILING DATE: 1998-09-09  
NUMBER OF SEQ ID NOS: 174  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 23  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Cryptomeria japonica  
NAME/KEY: MISC FEATURE  
LOCATION: (1)..(15)  
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9  
US-10-354-240-23

Query Match 72.5%; Score 79; DB 14; Length 15;

Best Local Similarity 93.3%; Pred. No. 0.00014; Length 15;

Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPVNPAP 15

||||:|||||

Db 1 YTVTNSDDDPVNPAP 15

RESULT 3

US-10-354-240-25  
; Sequence 25, Application US/10354240  
; Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio  
APPLICANT: Dairiki, Kazuo  
APPLICANT: Iwama, Akiko  
APPLICANT: Kino, Kohsuke  
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
FILE REFERENCE: SPO-103D1  
CURRENT APPLICATION NUMBER: US/10/354,240  
CURRENT FILING DATE: 2003-01-29  
PRIOR APPLICATION NUMBER: PCT/JP97/00740  
PRIOR FILING DATE: 1997-03-10  
PRIOR APPLICATION NUMBER: US 09/142,524  
PRIOR FILING DATE: 1998-09-09  
NUMBER OF SEQ ID NOS: 174  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 25  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Cryptomeria japonica  
NAME/KEY: MISC FEATURE  
LOCATION: (1)..(15)  
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11  
US-10-354-240-25

Query Match 50.5%; Score 55; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 0.4;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 VNPAPGTLRY 20

||||:|||||

Db 1 VNPAPGTLRY 10

RESULT 4

US-10-354-240-22  
; Sequence 22, Application US/10354240  
; Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio  
APPLICANT: Dairiki, Kazuo  
APPLICANT: Iwama, Akiko  
APPLICANT: Kino, Kohsuke  
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
FILE REFERENCE: SPO-103D1  
CURRENT APPLICATION NUMBER: US/10/354,240  
CURRENT FILING DATE: 2003-01-29  
PRIOR APPLICATION NUMBER: PCT/JP97/00740  
PRIOR FILING DATE: 1997-03-10  
PRIOR APPLICATION NUMBER: US 09/142,524  
PRIOR FILING DATE: 1998-09-09  
NUMBER OF SEQ ID NOS: 174  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 22  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Cryptomeria japonica  
NAME/KEY: MISC FEATURE  
LOCATION: (1)..(15)  
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8  
US-10-354-240-22

Query Match 46.8%; Score 51; DB 14; Length 15;

Best Local Similarity 90.0%; Pred. No. 1.5;

Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSSDDDP 10

||||:|||||

Db 6 YTVTNSDDDP 15

RESULT 5

US-10-193-002-275

; Sequence 275, Application US/10193002  
; Publication No. US20030135026A1

GENERAL INFORMATION:

APPLICANT: Reed, Steven G.  
Skeiky, Yasir A.W.  
Dillon, Davin C.  
Campos-Neto, Antonia  
Houghton, Raymond  
Vedvick, Thomas S.  
Twardzik, Daniel R.  
Lodes, Michael J.  
Hendrickson, Ronald C.  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF TUBERCULOSIS  
NUMBER OF SEQUENCES: 350  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/193,002  
FILING DATE: 10-Jul-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/072,596  
FILING DATE: 05-MAY-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Maki, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.417C9  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 275:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 275:  
US-10-193-002-275

Query Match 34.9%; Score 38; DB 14; Length 20;  
Best Local Similarity 75.0%; Pred. No. 1.5e+02;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 PVNPAPGT 17  
DB 6 PMHPAPGT 13

RESULT 6  
US-10-084-843-280  
; Sequence 280, Application US/10084843  
; Publication No. US20030143243A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; Skeiky, Yasir A.W.  
; Dillon, Davin C.  
; Campos-Neto, Antonio  
; Houghton, Raymond  
; Vedrick, Thomas S.  
; Twardzik, Daniel R.  
; Lodes, Michael J.  
; Hendrickson, Ronald C.  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY  
AND DIAGNOSIS OF TUBERCULOSIS  
NUMBER OF SEQUENCES: 355  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/084,843  
FILING DATE: 25-Feb-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/072,967  
FILING DATE: 05-MAY-1998  
ATTORNEY/AGENT INFORMATION:

NAME: Maki, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.411C9  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 280:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 280:  
US-10-084-843-280

Query Match 34.9%; Score 38; DB 14; Length 20;  
Best Local Similarity 75.0%; Pred. No. 1.5e+02;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 PVNPAPGT 17  
DB 6 PMHPAPGT 13

RESULT 7  
US-09-996-069-15  
; Sequence 15, Application US/09996069  
; Publication No. US20030036199A1  
; GENERAL INFORMATION:  
; APPLICANT: Bamdad, Cynthia  
; TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBIT  
; FILE REFERENCE: M01015/70071  
; CURRENT APPLICATION NUMBER: US/09/996,069  
; CURRENT FILING DATE: 2001-11-27  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 15  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-996-069-15

Query Match 31.2%; Score 34; DB 10; Length 17;  
Best Local Similarity 35.3%; Pred. No. 4.8e+02;  
Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY 3 VTSSDDDPVNPAPGTLR 19  
DB 1 VMLGETNPADSKPGTIR 17

RESULT 8  
US-09-996-069-16  
; Sequence 16, Application US/09996069  
; Publication No. US20030036199A1  
; GENERAL INFORMATION:  
; APPLICANT: Bamdad, Cynthia  
; TITLE OF INVENTION: DIAGNOSTIC TUMOR MARKERS, DRUG SCREENING FOR TUMORIGENESIS INHIBIT  
; FILE REFERENCE: M01015/70071  
; CURRENT APPLICATION NUMBER: US/09/996,069  
; CURRENT FILING DATE: 2001-11-27  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 16  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-996-069-16

Query Match 31.2%; Score 34; DB 10; Length 17;  
Best Local Similarity 35.3%; Pred. No. 4.8e+02;  
Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY 3 VTSSDDDPVNPACTLR 19  
DB 1 VMLGETNPADSKRGITR 17

RESULT 9  
US-10-601-837-242  
; Sequence 242, Application US/10601837  
; Publication No. US20040053309A1  
; GENERAL INFORMATION:  
; APPLICANT: Holt, Gordon D  
; APPLICANT: Kelly, Michael D  
; APPLICANT: Kennedy, Sandra J  
; APPLICANT: Moyses, Christopher  
; TITLE OF INVENTION: Proteins, Genes and Their Use for Diagnosis and Treatment of Kidn  
; TITLE OF INVENTION: Response  
; FILE REFERENCE: 2543-1-030  
; CURRENT APPLICATION NUMBER: US/10/601,837  
; PRIOR FILING DATE: 2003-06-23  
; PRIOR APPLICATION NUMBER: PCT/GH01/05777  
; PRIOR FILING DATE: 2001-12-24  
; PRIOR APPLICATION NUMBER: US 60/260392  
; PRIOR FILING DATE: 2000-12-29  
; NUMBER OF SEQ ID NOS: 272  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 242  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Ratus No. US20040053309A1vegicus  
US-10-601-837-242

Query Match 31.2%; Score 34; DB 15; Length 17;  
Best Local Similarity 35.3%; Pred. No. 4.8e+02;  
Matches 6; Conservative 4; Mismatches 7; Indels 0; Gaps 0;

QY 3 VTSSDDDPVNPACTLR 19  
DB 1 VMLGETNPADSKRGITR 17

RESULT 10  
US-10-192-832-50  
; Sequence 50, Application US/10192832  
; Publication No. US20030176335A1  
; GENERAL INFORMATION:  
; APPLICANT: ZHANG, SHUGUANG  
; APPLICANT: VAUTHEY, SYLVAIN  
; TITLE OF INVENTION: SURFACTANT PEPTIDE NANOSTRUCTURES, AND USES THEREOF  
; FILE REFERENCE: MTV-043.01  
; CURRENT APPLICATION NUMBER: US/10/192,832  
; CURRENT FILING DATE: 2002-07-10  
; PRIOR APPLICATION NUMBER: 60/304,256  
; PRIOR FILING DATE: 2001-07-10  
; NUMBER OF SEQ ID NOS: 76  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 50  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
; OTHER INFORMATION: peptide  
US-10-192-832-50

Query Match 31.2%; Score 34; DB 14; Length 20;  
Best Local Similarity 66.7%; Pred. No. 5.8e+02;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 7 DDDPVNPAP 15  
DB 8 DDDPPPPPP 16

RESULT 11  
US-09-096-749A-3  
; Sequence 3, Application US/09096749A  
; Patent No. US20020019517A1  
; GENERAL INFORMATION:  
; APPLICANT: Koieda, Shohei  
; TITLE OF INVENTION: ARTIFICIAL ANTIBODY POLYPEPTIDES  
; NUMBER OF SEQUENCES: 118  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Schwegman, Lundberg, Woessner & Kluth P.A.  
; STREET: 121 South Eighth Street, Ste. 1600  
; CITY: Minneapolis  
; STATE: MN  
; COUNTRY: USA  
; ZIP: 55402  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/096,749A  
; FILING DATE: June 12, 1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ann S. Viksnins  
; REGISTRATION NUMBER: 37,748  
; REFERENCE/DOCKET NUMBER: 109,034US1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (612) 373-6900  
; TELEFAX: (612) 339-3061  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
; ORIGINAL SOURCE:  
US-09-096-749A-3  
  
Query Match 30.3%; Score 33; DB 9; Length 16;  
Best Local Similarity 40.0%; Pred. No. 6.3e+02;  
Matches 6; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 1 YTVTSDDDPVNPAP 15  
DB 1 YAVTGRGDSPASSKP 15

RESULT 12  
US-09-984-183-17  
; Sequence 17, Application US/09984183  
; Patent No. US20020142983A1  
; GENERAL INFORMATION:  
; APPLICANT: AGRAWAL, BABITA  
; APPLICANT: LONGENECKER, MICHAEL B.  
; TITLE OF INVENTION: MUC-1 ANTAGONISTS AND METHODS OF TREATING IMMUNE  
; TITLE OF INVENTION: DISORDERS  
; FILE REFERENCE: 042881/0130  
; CURRENT APPLICATION NUMBER: US/09/984,183  
; CURRENT FILING DATE: 2001-10-29  
; PRIOR APPLICATION NUMBER: 09/457,354

```
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/111,973
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-984-183-17

Query Match      30.3%; Score 33; DB 9; Length 16;
Best Local Similarity 53.3%; Pred. NO. 6.3e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 3 VTSSDDDPVNPAPGT 17
Db 2 VTSAPD--TRPAPGS 14

RESULT 13
US-09-984-333-7
; Sequence 7, Application US/09984333
; Patent No. US20020159969A1
; GENERAL INFORMATION:
; APPLICANT: AGRAWAL, Babita
; APPLICANT: LONGENECKER, Bryan Michael
; APPLICANT: REDDISH, Mark Austin
; TITLE OF INVENTION: SMALL PEPTIDE-BASED THERAPEUTICS FOR REVERSING
; TITLE OF INVENTION: CANCER-ASSOCIATED MUC-1 MUCIN-INDUCED IMMUNOSUPPRESSION
; FILE REFERENCE: 042881/0116
; CURRENT APPLICATION NUMBER: US/09/984,333
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US 09/182,887
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 60/064,146
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065,209
; PRIOR FILING DATE: 1997-11-12
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-984-333-7

Query Match      30.3%; Score 33; DB 9; Length 16;
Best Local Similarity 53.3%; Pred. NO. 6.3e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 1; Gaps 1;

QY 3 VTSSDDDPVNPAPGT 17
Db 2 VTSAPD--TRPAPGS 14

RESULT 14
US-09-903-412-3
; Sequence 3, Application US/09903412
; Publication No. US20030027319A1
; GENERAL INFORMATION:
; APPLICANT: Koide, Shohel
; TITLE OF INVENTION: ARTIFICIAL ANTIBODY POLYPEPTIDES
; FILE REFERENCE: 109.050US1
; CURRENT APPLICATION NUMBER: US/09/903,412
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: US 60/217,474
; PRIOR FILING DATE: 2000-07-11
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16
; TYPE: PRT

; ORGANISM: Homo sapiens
; US-09-903-412-3

Query Match      30.3%; Score 33; DB 10; Length 16;
Best Local Similarity 40.0%; Pred. NO. 6.3e+02;
Matches 6; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 1 YVTSSDDDPVNPAP 15
Db 1 YAVTGRGDSFASCKP 15

RESULT 15
US-09-143-379-1
; Sequence 1, Application US/09143379
; Publication No. US2004007826A1
; GENERAL INFORMATION:
; APPLICANT: KOGANTY, R. Rao
; APPLICANT: QIU, Dongxu
; APPLICANT: GANDHI, Sham
; TITLE OF INVENTION: RANDOMLY GENERATED GLYCOPEPTIDE COMBINATORIAL LIBRARIES
; FILE REFERENCE: 042881/0119
; CURRENT APPLICATION NUMBER: US/09/143,379
; CURRENT FILING DATE: 1998-08-28
; EARLIER APPLICATION NUMBER: 60/056,240
; EARLIER FILING DATE: 1997-08-28
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; OTHER INFORMATION: derived from cancer-associated MUC1
; US-09-143-379-1

Query Match      30.3%; Score 33; DB 11; Length 16;
Best Local Similarity 53.3%; Pred. NO. 6.3e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;

QY 3 VTSSDDDPVNPAPGT 17
Db 2 VTSAPD--TRPAPGS 14

Search completed: January 26, 2005, 00:51:35
Job time : 56.6 secs
```

**This Page Blank (uspb)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 : Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-7

Perfect score: 109

Sequence: 1 YTVTSSDDDPVNPAPCTLYR 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/prodata/1/iaa/5A COMB.pep.\*
- 2: /cgn2\_6/prodata/1/iaa/5B COMB.pep.\*
- 3: /cgn2\_6/prodata/1/iaa/6A COMB.pep.\*
- 4: /cgn2\_6/prodata/1/iaa/6B COMB.pep.\*
- 5: /cgn2\_6/prodata/1/iaa/PCITUS COMB.pep.\*
- 6: /cgn2\_6/prodata/1/iaa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	106	97.2	20	3	US-08-467-023-30
2	84	77.1	15	4	US-09-142-524D-24
3	79	72.5	15	4	US-09-142-524D-23
4	55	50.5	15	4	US-09-142-524D-25
5	55	50.5	20	3	US-08-467-023-31
6	51	46.8	15	4	US-09-142-524D-22
7	51	46.8	20	3	US-08-467-023-29
8	39	35.8	14	1	US-08-290-448A-52
9	39	35.8	14	1	US-08-290-448A-52
10	39	35.8	14	1	US-08-175-069A-52
11	39	35.8	14	3	US-08-461-939B-52
12	39	35.8	14	3	US-08-464-000-52
13	38	34.9	20	4	US-09-072-596-275
14	38	34.9	20	4	US-09-072-967-280
15	35	32.1	20	2	US-08-934-915-10
16	35	32.1	20	2	US-08-934-915-17
17	34	31.2	20	4	US-08-836-047-13
18	33	30.3	14	2	US-08-463-230A-12
19	33	30.3	15	2	US-08-122-546-18
20	33	30.3	15	2	US-08-764-938-18
21	33	30.3	15	3	US-09-131-052-18
22	33	30.3	15	3	US-09-131-053A-18
23	33	30.3	16	3	US-09-339-944-7
24	33	30.3	16	3	US-08-737-896-1
25	33	30.3	16	4	US-09-638-202A-3
26	33	30.3	16	4	US-09-497-232-15
27	33	30.3	16	4	US-09-651-265-12

Sequence 3, Appli  
Sequence 3, Appli  
Sequence 1, Appli  
Sequence 1, Appli  
Sequence 6, Appli  
Sequence 40, Appli  
Sequence 6, Appli  
Sequence 8, Appli  
Sequence 11, Appli  
Sequence 6, Appli  
Sequence 8, Appli  
Sequence 35, Appli  
Sequence 1, Appli  
Sequence 16, Appli  
Sequence 1, Appli  
Sequence 20, Appli  
Sequence 10, Appli  
Sequence 6, Appli

Sequence 3, Appli  
Sequence 3, Appli  
Sequence 1, Appli  
Sequence 1, Appli  
Sequence 6, Appli  
Sequence 40, Appli  
Sequence 6, Appli  
Sequence 8, Appli  
Sequence 11, Appli  
Sequence 6, Appli  
Sequence 8, Appli  
Sequence 35, Appli  
Sequence 1, Appli  
Sequence 16, Appli  
Sequence 1, Appli  
Sequence 20, Appli  
Sequence 10, Appli  
Sequence 6, Appli

Sequence 3, Appli  
Sequence 3, Appli  
Sequence 1, Appli  
Sequence 1, Appli  
Sequence 6, Appli  
Sequence 40, Appli  
Sequence 6, Appli  
Sequence 8, Appli  
Sequence 11, Appli  
Sequence 6, Appli  
Sequence 8, Appli  
Sequence 35, Appli  
Sequence 1, Appli  
Sequence 16, Appli  
Sequence 1, Appli  
Sequence 20, Appli  
Sequence 10, Appli  
Sequence 6, Appli

#### ALIGNMENTS

RESULT 1  
US-08-467-023-30  
Sequence 30, Application US/08467023  
Patent No. 6090386  
GENERAL INFORMATION:  
APPLICANT: Griffith, Irwin J.;  
APPLICANT: Pollock, Joanne;  
APPLICANT: Bond, Julian F.;  
APPLICANT: Garman, Richard D;  
APPLICANT: Kuo, Mei-Chang;  
APPLICANT: Yeung, Siu-mei H.;  
APPLICANT: Brauer, Andrew;  
APPLICANT: Exley, Mark A.;  
APPLICANT: Powers, Steven P.  
TITLE OF INVENTION: Allergenic Proteins And Peptides From  
NUMBER OF INVENTION: Japanese Cedar Pollen  
NUMBER OF SEQUENCES: 261  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal

US-08-467-023-30

Query Match 97.2%; Score 106; DB 3; Length 20;  
Best Local Similarity 95.0%; Pred. No. 3.7e-09;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YVTSSDDDPVNPAPGTLRY 20  
|||||  
Db 1 YVTNSDDDPVNPAPGTLRY 20

RESULT 2

US-09-142-524D-24  
; Sequence 24, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 24  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10  
US-09-142-524D-24

Query Match 77.1%; Score 84; DB 4; Length 15;  
Best Local Similarity 100.0%; Pred. No. 4.3e-06;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 SDDDPVNPAPGTLRY 20  
|||||  
Db 1 SDDDPVNPAPGTLRY 15

RESULT 3

US-09-142-524D-23  
; Sequence 23, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 23  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 9  
US-09-142-524D-23

Query Match 72.5%; Score 79; DB 4; Length 15;  
Best Local Similarity 93.3%; Pred. No. 2.3e-05;  
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPVNPAP 15  
|||||  
Db 1 YVTNSDDDPVNPAP 15

RESULT 4

US-09-142-524D-25  
; Sequence 25, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 25  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11  
US-09-142-524D-25

Query Match 50.5%; Score 55; DB 4; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.075;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 VNPAPGTLRY 20  
|||||  
Db 1 VNPAPGTLRY 10

RESULT 5

US-08-467-023-31  
; Sequence 31, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-31

Query Match 50.5%; Score 55; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.1;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 VNPAGTGLRY 20
Db 1 VNPAGTGLRY 10

RESULT 6
US-09-142-524D-22
; Sequence 22, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO: 22
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 8
US-09-142-524D-22

Query Match 46.8%; Score 51; DB 4; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.29;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSDDDP 10
Db 6 YTVTSDDDP 15

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-31

Query Match 46.8%; Score 51; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.4;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSDDDP 10
Db 11 YTVTSDDDP 20

RESULT 7
US-08-467-023-29
; Sequence 29, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-29

Query Match 46.8%; Score 51; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.4;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 YTVTSDDDP 10
Db 11 YTVTSDDDP 20

RESULT 8
US-08-290-448A-52
; Sequence 52, Application US/08290448A
; Patent No. 5676954
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-Chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
```

/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: LAHIVE & COCKFIELD  
/ STREET: 60 State Street, suite 510  
/ CITY: Boston  
/ STATE: Massachusetts  
/ COUNTRY: USA  
/ ZIP: 02109-1875  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: Patent In Release #1.0, Version #1.25  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/290,448A  
/ FILING DATE: August 15, 1994  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US 07/529,951  
/ FILING DATE: May 29, 1990  
/ APPLICATION NUMBER: US 07/325,365  
/ FILING DATE: March 17, 1989  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Amy E. Mandragouras  
/ REGISTRATION NUMBER: 36,207  
/ REFERENCE/DOCKET NUMBER: IMI-018CN  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (617)227-7400  
/ TELEFAX: (617)227-5941  
/ INFORMATION FOR SEQ ID NO: 52:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 14 amino acids  
/ TYPE: amino acid  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ FRAGMENT TYPE: internal  
/ US-08-290-448A-52

Query Match 35.8%; Score 39; DB 1; Length 14;  
Best Local Similarity 72.7%; Pred. No. 15;  
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPV 11  
Db 1 YTVTSDKDDV 11

RESULT 9  
US-08-290-448A-52  
/ Sequence 52, Application US/08290448A  
/ Patent No. 5698204  
/ GENERAL INFORMATION:  
/ APPLICANT: Rogers, Bruce  
/ APPLICANT: Klapper, David G.  
/ APPLICANT: Rafnar, Thorunn  
/ APPLICANT: Kuo, Mei-chang  
/ TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses  
/ NUMBER OF SEQUENCES: 93  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: LAHIVE & COCKFIELD  
/ STREET: 60 State Street, suite 510  
/ CITY: Boston  
/ STATE: Massachusetts  
/ COUNTRY: USA  
/ ZIP: 02109-1875  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: Patent In Release #1.0, Version #1.25  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/290,448A  
/ FILING DATE: August 15, 1994  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US 07/529,951

/ FILING DATE: May 29, 1990  
/ APPLICATION NUMBER: US 07/325,365  
/ FILING DATE: March 17, 1989  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Amy E. Mandragouras  
/ REGISTRATION NUMBER: 36,207  
/ REFERENCE/DOCKET NUMBER: IMI-018CN  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (617)227-7400  
/ TELEFAX: (617)227-5941  
/ INFORMATION FOR SEQ ID NO: 52:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 14 amino acids  
/ TYPE: amino acid  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ FRAGMENT TYPE: internal  
/ US-08-290-448A-52

Query Match 35.8%; Score 39; DB 1; Length 14;  
Best Local Similarity 72.7%; Pred. No. 15;  
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 YTVTSSDDDPV 11  
Db 1 YTVTSDKDDV 11

RESULT 10  
US-08-175-069A-52  
/ Sequence 52, Application US/08175069A  
/ Patent No. 5776761  
/ GENERAL INFORMATION:  
/ APPLICANT: Rogers, Bruce  
/ APPLICANT: Klapper, David G.  
/ APPLICANT: Rafnar, Thorunn  
/ APPLICANT: Kuo, Mei-chang  
/ TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses  
/ NUMBER OF SEQUENCES: 93  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: LAHIVE & COCKFIELD, LLP  
/ STREET: 60 State Street  
/ CITY: Boston  
/ STATE: Massachusetts  
/ COUNTRY: USA  
/ ZIP: 02109-1875  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: Patent In Release #1.0, Version #1.25  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/175,069A  
/ FILING DATE: December 29, 1993  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: US 07/529,951  
/ FILING DATE: May 29, 1990  
/ APPLICATION NUMBER: US 07/325,365  
/ FILING DATE: March 17, 1989  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Amy E. Mandragouras  
/ REGISTRATION NUMBER: 36,207  
/ REFERENCE/DOCKET NUMBER: IMI-018DV  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (617)227-7400  
/ TELEFAX: (617)227-5941  
/ INFORMATION FOR SEQ ID NO: 52:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 14 amino acids  
/ TYPE: amino acid  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ FRAGMENT TYPE: internal

US-08-175-069A-52

Query Match 35.8%; Score 39; DB 1; Length 14;  
Best Local Similarity 72.7%; Pred. No. 15;  
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 YTVTSSDDDPV 11  
|||  
Db 1 YTVTSKDDDV 11

RESULT 11

US-08-461-939B-52  
; Sequence 52, Application US/08461939B  
; Patent No. 6335019  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-chang  
; TITLE OF INVENTION: Methods For Treating Sensitivity To A  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/461,939B  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/464,000  
; FILING DATE: 05-JUN-1995  
; FILING DATE: 15-AUG-1994  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: 29-MAY-1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: 17-MAR-1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018CNDV  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)742-4214  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-461-939B-52

Query Match 35.8%; Score 39; DB 3; Length 14;  
Best Local Similarity 72.7%; Pred. No. 15;  
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 YTVTSSDDDPV 11  
|||  
Db 1 YTVTSKDDDV 11

RESULT 12

US-08-461-939B-52

US-08-464-000-52

; Sequence 52, Application US/08464000  
; Patent No. 6335020  
; GENERAL INFORMATION:  
; APPLICANT: Rogers, Bruce  
; APPLICANT: Klapper, David G.  
; APPLICANT: Rafnar, Thorunn  
; APPLICANT: Kuo, Mei-chang  
; TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen  
; NUMBER OF SEQUENCES: 93  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109-1875  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/464,000  
; FILING DATE: 05-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/290,448  
; FILING DATE: 15-AUG-1994  
; APPLICATION NUMBER: US 07/529,951  
; FILING DATE: 29-MAY-1990  
; APPLICATION NUMBER: US 07/325,365  
; FILING DATE: 17-MAR-1989  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-018CN2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)227-5941  
; INFORMATION FOR SEQ ID NO: 52:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-464-000-52

Query Match 35.8%; Score 39; DB 3; Length 14;  
Best Local Similarity 72.7%; Pred. No. 15;  
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 YTVTSSDDDPV 11  
|||  
Db 1 YTVTSKDDDV 11

RESULT 13

US-09-072-596-275  
; Sequence 275, Application US/09072596  
; Patent No. 6458366  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Campos-Neto, Antonia  
; APPLICANT: Houghton, Raymond  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Twardzik, Daniel R.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Hendrickson, Ronald C.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF  
; NUMBER OF SEQUENCES: 350

TUBERCULOSIS

;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: SEED AND BERRY LLP  
;; STREET: 6300 Columbia Center, 701 Fifth Avenue  
;; CITY: Seattle  
;; STATE: Washington  
;; COUNTRY: USA  
;; ZIP: 98104-7092  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/072,596  
;; FILING DATE: 05-MAY-1998  
;; CLASSIFICATION:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Maki, David J.  
;; REGISTRATION NUMBER: 31,392  
;; REFERENCE/DOCKET NUMBER: 210121.417C9  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (206) 622-4900  
;; TELEFAX: (206) 682-6031  
;; INFORMATION FOR SEQ ID NO: 275:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 20 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; US-09-072-596-275

Query Match 34.9%; Score 38; DB 4; Length 20;  
Best Local Similarity 75.0%; Pred. No. 31;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 PVPAPGT 17  
Db 6 PMHPAGT 13

RESULT 14  
US-09-072-967-280  
; Sequence 280, Application US/09072967  
; Patent No. 6592877  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Skeiky, Yasir A.W.  
; APPLICANT: Dillon, David C.  
; APPLICANT: Campos-Neto, Antonio  
; APPLICANT: Houghton, Raymond  
; APPLICANT: Vedvick, Thomas S.  
; APPLICANT: Twardzik, Daniel R.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Hendrickson, Ronald C.  
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS  
; NUMBER OF SEQUENCES: 355  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEED AND BERRY LLP  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104-7092  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/072,967  
; FILING DATE: 05-MAY-1998

;; CLASSIFICATION:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Maki, David J.  
;; REGISTRATION NUMBER: 31,392  
;; REFERENCE/DOCKET NUMBER: 210121.411C9  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (206) 622-4900  
;; TELEFAX: (206) 682-6031  
;; INFORMATION FOR SEQ ID NO: 280:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 20 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; US-09-072-967-280

Query Match 34.9%; Score 38; DB 4; Length 20;  
Best Local Similarity 75.0%; Pred. No. 31;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 PVPAPGT 17  
Db 6 PMHPAGT 13

RESULT 15  
US-08-934-915-10  
; Sequence 10, Application US/08934915  
; Patent No. 5932412  
; GENERAL INFORMATION:  
; APPLICANT: DILLNER, JOAKIM  
; APPLICANT: DILLNER, LENA  
; APPLICANT: CHENG, HWEE-MING  
; TITLE OF INVENTION: SYNTHETIC PEPTIDES OF HUMAN  
; TITLE OF INVENTION: PAPILLOMAVIRUS 1, 5, 6, 8,  
; TITLE OF INVENTION: 11, 16, 18, 31, 33 AND 56,  
; TITLE OF INVENTION: USEFUL IN IMMUNOASSAY FOR  
; NUMBER OF SEQUENCES: 193  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MASON & ASSOCIATES, P.A.  
; STREET: 17757 U.S. HWY. 19 NORTH, SUITE 500  
; CITY: CLEARWATER  
; STATE: FLORIDA  
; COUNTRY: U.S.A.  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: Windows 3.0  
; SOFTWARE: Microsoft Word 6.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/934,915  
; FILING DATE: 22-SEP-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/949,836  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: LOUISE A. Foutch  
; REGISTRATION NUMBER: 37,133  
; REFERENCE/DOCKET NUMBER: 1946.6  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 813-538-3800  
; TELEFAX: 813-538-3820  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-934-915-10

Query Match 32.1%; Score 35; DB 2; Length 20;  
Best Local Similarity 40.0%; Pred. NO. 86;  
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 1 YVTSSDDDFVNPAP 15  
: : : : :  
Db 5 FVVSSDSGPTSTP 19

Search completed: January 26, 2005, 00:05:12  
Job time : 17.9 secs

This Page Blank (uspto)

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds  
(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-8

Perfect score: 108

Sequence: 1 VNPAPGTLRYGATRSRLWI 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	77	71.3	15	14	US-10-354-240-25
2	72	66.7	15	14	US-10-354-240-26
3	55	50.9	15	14	US-10-354-240-24
4	45	41.7	15	14	US-10-354-240-27
5	38	35.2	20	14	US-10-280-066-259
6	35	32.4	19	10	US-09-977-797A-116
7	34	31.5	20	16	US-10-679-246-15
8	33	30.6	17	14	US-10-029-386-33100
9	32	29.6	14	14	US-10-199-820-243
10	32	29.6	15	14	US-10-206-699-188
11	32	29.6	18	8	US-08-996-140-14
12	32	29.6	20	8	US-08-677-599B-2
13	32	29.6	20	10	US-09-804-980-255
					Sequence 25, Appl
					Sequence 26, Appl
					Sequence 24, Appl
					Sequence 27, Appl
					Sequence 259, Appl
					Sequence 116, Appl
					Sequence 15, Appl
					Sequence 33100, A
					Sequence 243, Appl
					Sequence 188, Appl
					Sequence 14, Appl
					Sequence 2, Appl
					Sequence 255, Appl

14	31	28.7	13	15	US-10-469-304-52	Sequence 52, Appl
15	31	28.7	17	14	US-10-083-768-167	Sequence 167, Appl
16	31	28.7	20	8	US-08-677-599B-9	Sequence 9, Appl
17	31	28.7	20	14	US-10-193-003-275	Sequence 275, Appl
18	31	28.7	20	14	US-10-084-843-280	Sequence 280, Appl
19	30.5	28.2	17	10	US-09-996-069-15	Sequence 15, Appl
20	30.5	28.2	17	10	US-09-996-069-16	Sequence 16, Appl
21	30.5	28.2	17	15	US-10-601-837-242	Sequence 242, Appl
22	30	27.8	19	15	US-10-425-855-5	Sequence 5, Appl
23	30	27.8	19	16	US-10-722-503-7	Sequence 7, Appl
24	30	27.8	19	17	US-10-645-659-7	Sequence 7, Appl
25	30	27.8	20	9	US-09-987-137-10	Sequence 10, Appl
26	29.5	27.3	13	15	US-10-468-370-428	Sequence 428, Appl
27	29.5	27.3	13	16	US-10-468-496-384	Sequence 384, Appl
28	29.5	27.3	14	15	US-10-706-466-7	Sequence 7, Appl
29	29	26.9	9	15	US-10-398-104-83	Sequence 83, Appl
30	29	26.9	10	10	US-09-572-404B-1310	Sequence 1310, Appl
31	29	26.9	10	10	US-09-572-404B-2228	Sequence 2228, Appl
32	29	26.9	10	10	US-09-572-404B-2412	Sequence 2412, Appl
33	29	26.9	11	15	US-10-398-104-223	Sequence 223, Appl
34	29	26.9	15	8	US-08-424-550B-460	Sequence 460, Appl
35	29	26.9	16	14	US-10-225-567A-1062	Sequence 1062, Appl
36	29	26.9	16	14	US-10-444-575-19	Sequence 19, Appl
37	29	26.9	18	9	US-09-829-855-239	Sequence 239, Appl
38	29	26.9	18	14	US-10-206-699-276	Sequence 276, Appl
39	29	26.9	18	15	US-10-387-977-34	Sequence 34, Appl
40	29	26.9	18	16	US-10-607-077A-239	Sequence 239, Appl
41	28.5	26.4	14	17	US-10-865-478-812	Sequence 812, Appl
42	28	25.9	10	14	US-10-304-160-18	Sequence 18, Appl
43	28	25.9	10	14	US-10-304-059-38	Sequence 38, Appl
44	28	25.9	12	9	US-09-922-199A-16	Sequence 16, Appl
45	28	25.9	12	14	US-10-190-082-296	Sequence 296, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-25  
; Sequence 25, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SFO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 25  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Ceryl peptide, Figure 1, Row 11  
US-10-354-240-25

Query Match 71.3%; Score 77; DB 14; Length 15;  
Best Local Similarity 93.3%; Pred. No. 5.9e-05;  
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAPGTLRYGATRE 15

|||||

Db 1 VNPAPGTLRYGATRD 15

## RESULT 2

US-10-354-240-26  
; Sequence 26, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 26  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12  
US-10-354-240-26

Query Match 66.7%; Score 72; DB 14; Length 15;  
Best Local Similarity 86.7%; Pred. No. 0.00036;  
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 GTLYRGATRSLRWI 20

Db 1 GTLYRGATRDPLWI 15

## RESULT 3

US-10-354-240-24  
; Sequence 24, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 24  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10  
US-10-354-240-24

Query Match 50.9%; Score 55; DB 14; Length 15;

Best Local Similarity 100.0%; Pred. No. 0.16;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAPGTLRY 10

Db 6 VNPAPGTLRY 15

## RESULT 4

US-10-354-240-27  
; Sequence 27, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 27  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13  
US-10-354-240-27

Query Match 41.7%; Score 45; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 5.9;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 GATRSLRWI 20

Db 1 GATRDPLWI 10

## RESULT 5

US-10-280-066-259  
; Sequence 259, Application US/10280066  
; Publication No. US20030180718A1  
; GENERAL INFORMATION:  
; APPLICANT: Pillutla, Renuka C.  
; APPLICANT: Brissette, Renee  
; APPLICANT: Spruyt, Michael  
; APPLICANT: Dedova, Olga  
; APPLICANT: Blume, Arthur J.  
; APPLICANT: Prendergast, John  
; APPLICANT: Goldstein, Neil I.  
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BINDING AGENTS  
; FILE REFERENCE: 2598-4009US1  
; CURRENT APPLICATION NUMBER: US/10/280,066  
; CURRENT FILING DATE: 2002-10-24  
; PRIOR APPLICATION NUMBER: 60/345,471  
; PRIOR FILING DATE: 2001-10-24  
; NUMBER OF SEQ ID NOS: 537  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 259  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
; FEATURE:  
; NAME/KEY: MISC FEATURE

OTHER INFORMATION: 0700902-Hras-20M-PP-BC-DB8  
US-10-280-066-259

Query Match 35.2%; Score 38; DB 14; Length 20;  
Best Local Similarity 60.0%; Pred. No. 98;  
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 11 GATRSRLWI 20  
| | | | |  
DB 7 GVQRERLW 16

RESULT 6  
US-09-977-797A-116  
; Sequence 116, Application US/09977797A  
; Publication No. US20030044772A1  
; GENERAL INFORMATION:  
; APPLICANT: Watkins, Jeffrey D.  
; APPLICANT: Huse, William D.  
; APPLICANT: Wu, Herren  
; TITLE OF INVENTION: Methods for Identifying Ligand Specific Binding Molecules  
; FILE REFERENCE: AME-06805  
; CURRENT APPLICATION NUMBER: US/09/977,797A  
; CURRENT FILING DATE: 2002-06-25  
; PRIOR APPLICATION NUMBER: 09/129,026  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 08/905,825  
; PRIOR FILING DATE: 1997-08-04  
; NUMBER OF SEQ ID NOS: 136  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 116  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-977-797A-116

Query Match 32.4%; Score 35; DB 10; Length 19;  
Best Local Similarity 53.8%; Pred. No. 2.7e+02;  
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 7 TLYRGATRSRLW 19  
| | | | |  
DB 4 TSRYTLRRFSIW 16

RESULT 7  
US-10-679-246-15  
; Sequence 15, Application US/10679246  
; Publication No. US20040163138A1  
; GENERAL INFORMATION:  
; APPLICANT: Reed, John C.  
; APPLICANT: Matsuzawa, Shu-ichi  
; TITLE OF INVENTION: Nucleic Acid Encoding Proteins Involved  
; TITLE OF INVENTION: in Protein Degradation, Products and Methods Related Thereto  
; FILE REFERENCE: 66821-235  
; CURRENT APPLICATION NUMBER: US/10/679,246  
; CURRENT FILING DATE: 2003-10-02  
; PRIOR APPLICATION NUMBER: US 09/591,694  
; PRIOR FILING DATE: 2000-06-09  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-679-246-15

Query Match 31.5%; Score 34; DB 16; Length 20;  
Best Local Similarity 52.9%; Pred. No. 4.1e+02;  
Matches 9; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 4 APCTLYGATRSRLWI 20  
: | | | | | : | | | |

DB 3 SPGALRSGSLRCISLRI 19

RESULT 8  
US-10-029-386-33100  
; Sequence 33100, Application US/10029386  
; Publication No. US20030194704A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GI  
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO  
; FILE REFERENCE: AEOMICA-X-2  
; CURRENT APPLICATION NUMBER: US/10/029,386  
; CURRENT FILING DATE: 2001-12-20  
; NUMBER OF SEQ ID NOS: 34288  
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 33100  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AP000532.1  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.94  
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.98  
US-10-029-386-33100

Query Match 30.6%; Score 33; DB 14; Length 17;  
Best Local Similarity 60.0%; Pred. No. 5e+02;  
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 PAPGTLRYGA 12  
| | | | |  
DB 5 PVPGALHLGA 14

RESULT 9  
US-10-199-820-243  
; Sequence 243, Application US/10199820  
; Publication No. US20030180739A1  
; GENERAL INFORMATION:  
; APPLICANT: Board of Trustees of the University of Illinois  
; APPLICANT: Primiano, Thomas  
; APPLICANT: Chang, Bey-dih  
; APPLICANT: Roninson, Igor  
; TITLE OF INVENTION: Methods and Reagents for Identifying Gene Targets for Treating Car  
; FILE REFERENCE: 99,216-U  
; CURRENT APPLICATION NUMBER: US/10/199,820  
; CURRENT FILING DATE: 2002-09-23  
; NUMBER OF SEQ ID NOS: 314  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 243  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-199-820-243

Query Match 29.6%; Score 32; DB 14; Length 14;  
Best Local Similarity 63.6%; Pred. No. 6e+02;  
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 9 RYGATRSRLW 19  
| | | | |  
DB 1 RGGADDERSSW 11

RESULT 10  
US-10-206-699-188  
; Sequence 188, Application US/10206699  
; Publication No. US20030100510A1  
; GENERAL INFORMATION:  
; APPLICANT: Sundaramoorthy, M.

APPLICANT: Hudson, B.  
TITLE OF INVENTION: Crystallized structure of Type IV Collagen NC1 Domain Hexamer  
FILE REFERENCE: MBHB 01-1017  
CURRENT APPLICATION NUMBER: US/10/206,699  
CURRENT FILING DATE: 2002-07-26  
PRIOR APPLICATION NUMBER: US 60/308,523  
PRIOR FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/351,289  
PRIOR FILING DATE: 2001-10-29  
PRIOR APPLICATION NUMBER: US 60/366,854  
PRIOR FILING DATE: 2002-03-22  
PRIOR APPLICATION NUMBER: US 60/385,362  
PRIOR FILING DATE: 2002-06-03  
NUMBER OF SEQ ID NOS: 307  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 188  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-206-699-188

Query Match 29.6%; Score 32; DB 14; Length 15;  
Best Local Similarity 50.0%; Pred. No. 6.4e+02;  
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 3 PAPGTLRYGATR 14  
| | | | |  
Db 4 PTPSTLKAGELR 15

RESULT 11  
US-08-996-140-14  
Sequence 14, Application US/08996140  
Publication No. US20030190318A1  
GENERAL INFORMATION:  
APPLICANT: TORIGOE, Kakuji  
APPLICANT: USHIO, Shimpel  
APPLICANT: KUNIKATA, Toshio  
APPLICANT: KURIMOTO, Masashi  
TITLE OF INVENTION: INTERLEUKIN-18 RECEPTOR PROTEINS  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEWMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004

COMPUTER READABLE FORM: disk  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/996,140  
FILING DATE: 22-DEC-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 356,426/1996  
FILING DATE: 26-DEC-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 52,526/1997  
FILING DATE: 21-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 163,490/1997  
FILING DATE: 6-JUN-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 215,490/1997  
FILING DATE: 28-JUL-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: BROWDY, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: TORIGOE-2  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal fragment  
US-08-996-140-14

Query Match 29.6%; Score 32; DB 8; Length 18;  
Best Local Similarity 45.5%; Pred. No. 7.7e+02;  
Matches 5; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 VNPAGTLYRG 11  
: : | | | : | |  
Db 2 IDPANGDTKYG 12

RESULT 12  
US-08-677-599B-2  
Sequence 2, Application US/08677599B  
Publication No. US20020155117A1  
GENERAL INFORMATION:  
APPLICANT: Sucia-Foca, Nicole  
TITLE OF INVENTION: METHODS FOR DETECTING ORGAN ALLOGRAFT  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/677,599B  
FILING DATE: 08-JUL-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: White Esq. John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 50161-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212/278/0400  
TELEFAX: 212/391/0525  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-677-599B-2

Query Match 29.6%; Score 32; DB 8; Length 20;  
Best Local Similarity 66.7%; Pred. No. 8.5e+02;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 11 GATRRSLW 19  
| | | | |  
Db 1 GKTRPFLW 9

RESULT 13  
US-09-804-980-255  
Sequence 255, Application US/09804980

Publication No. US20030147897A1  
GENERAL INFORMATION:  
APPLICANT: Statens Serum Institut  
APPLICANT: Anderson, Peter  
TITLE OF INVENTION: M. Tuberculosis Antigens  
FILE REFERENCE: 670001-2002.4  
CURRENT APPLICATION NUMBER: US/09/804,980  
CURRENT FILING DATE: 2001-03-12  
NUMBER OF SEQ ID NOS: 257  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 255  
LENGTH: 20  
TYPE: PRT  
ORGANISM: Mycobacterium tuberculosis  
US-09-804-980-255

Query Match 29.6%; Score 32; DB 10; Length 20;  
Best Local Similarity 46.7%; Pred. No. 8.5e+02;  
Matches 7; Conservative 3; Mismatches 3; Indels 2; Gaps 1;

QY 6 GTLRVATRSRLWI 20  
||:|:|:|:  
Db 3 GTIRVGSFRGR--WL 15

RESULT 14  
US-10-469-304-52  
Sequence 52, Application US/10469304  
Publication No. US20040091974A1  
GENERAL INFORMATION:  
APPLICANT: KIRIN BEER KABUSHIKI KAISHA  
TITLE OF INVENTION: Anti HLA-DR antibody  
FILE REFERENCE: PH-1646-PCT  
CURRENT APPLICATION NUMBER: US/10/469,304  
CURRENT FILING DATE: 2003-08-29  
PRIOR APPLICATION NUMBER: JP2001/317054  
PRIOR FILING DATE: 2001-10-15  
NUMBER OF SEQ ID NOS: 147  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 52  
LENGTH: 13  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:peptide  
US-10-469-304-52

Query Match 28.7%; Score 31; DB 15; Length 13;  
Best Local Similarity 66.7%; Pred. No. 7.9e+02;  
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 11 GATRSRLW 19  
|:|:|:|:  
Db 1 GDTTRPFLW 9

RESULT 15  
US-10-083-768-167  
Sequence 167, Application US/10083768  
Publication No. US20030158116A1  
GENERAL INFORMATION:  
APPLICANT: Dower, William J.  
Barrett, Ronald W.  
Cwirla, Steven E.  
Duffin, David J.  
Gates, Christian  
Haselden, Sherril S.  
Matheakis, Larry C.  
Schatz, Peter J.  
Wagstrom, Christopher R.  
Wrighton, Nicholas C.  
TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A  
THROMBOPOIETIN RECEPTOR

NUMBER OF SEQUENCES: 232  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Glaxo Wellcome  
STREET: Five Moore Drive, P.O. Box 13398  
CITY: Research Triangle Park  
STATE: NC  
COUNTRY: USA  
ZIP: 27709  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA: US/10/083,768  
APPLICATION NUMBER: US/10/083,768  
FILING DATE: 27-Feb-2002  
ATTORNEY/AGENT INFORMATION:  
NAME: Hrubic, Robert T.  
REGISTRATION NUMBER: 36,392  
REFERENCE/DOCKET NUMBER: PK3065USW  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 919-248-1000  
INFORMATION FOR SEQ ID NO: 167:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 167:  
US-10-083-768-167  
Query Match 28.7%; Score 31; DB 14; Length 17;  
Best Local Similarity 50.0%; Pred. No. 1e+03;  
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;  
QY 9 RYGATRSRLWI 20  
||:|:|:|:  
Db 1 RYGCTRHQ--WL 10  
Search completed: January 26, 2005, 00:51:36  
Job time : 56.6 secs

**This Page Blank (uspto)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-8  
Perfect score: 108  
Sequence: 1 VNPAPGTLRYGATRERSLWI 20

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	100	92.6	20	3	US-08-467-023-31
2	77	71.3	15	4	US-09-142-524B-25
3	72	66.7	15	4	US-09-142-524B-26
4	55	50.9	15	4	US-09-142-524B-24
5	55	50.9	20	3	US-08-467-023-30
6	45	41.7	15	4	US-09-142-524B-27
7	45	41.7	20	3	US-08-467-023-32
8	34	31.5	20	4	US-09-591-694-15
9	32	29.6	18	4	US-09-649-063-14
10	31	28.7	16	1	US-07-942-245-132
11	31	28.7	16	6	5171838-14
12	31	28.7	17	2	US-08-764-640-167
13	31	28.7	17	3	US-08-973-225-167
14	31	28.7	17	3	US-09-244-298A-167
15	31	28.7	17	3	US-09-516-704-167
16	31	28.7	17	4	US-09-549-090-167
17	31	28.7	17	4	US-09-832-230A-167
18	31	28.7	17	6	5171838-15
19	31	28.7	18	3	US-09-100-409A-16
20	31	28.7	18	6	5171838-16
21	31	28.7	19	2	US-08-729-152-14
22	31	28.7	19	6	5171838-17
23	31	28.7	20	2	US-08-480-190-42
24	31	28.7	20	2	US-08-488-379-42
25	31	28.7	20	4	US-09-072-596-275
26	31	28.7	20	4	US-08-475-399A-42
27	31	28.7	20	4	US-09-072-967-280

28	31	28.7	20	4	US-08-077-255A-42	Sequence 42, Appl
29	31	28.7	20	5	PCT-US93-07545-42	Sequence 42, Appl
30	31	28.7	20	6	5171838-18	Patent No. 5171838
31	30	27.8	16	1	US-07-942-245-208	Sequence 7, Appl
32	29.5	27.3	14	4	US-09-586-216C-7	Sequence 32, Appl
33	29	26.9	13	4	US-09-291-289-32	Sequence 32, Appl
34	29	26.9	15	4	US-08-469-260A-460	Sequence 460, App
35	29	26.9	15	4	US-08-488-446-460	Sequence 460, App
36	29	26.9	15	4	US-08-467-344A-460	Sequence 460, App
37	29	26.9	15	4	US-08-424-550B-460	Sequence 460, App
38	29	26.9	18	4	US-09-829-855-239	Sequence 239, App
39	28	25.9	13	4	US-09-291-289-9	Sequence 9, Appl
40	28	25.9	13	4	US-09-291-289-31	Sequence 31, Appl
41	28	25.9	15	4	US-09-142-524D-23	Sequence 23, Appl
42	28	25.9	16	1	US-07-942-245-131	Sequence 131, App
43	28	25.9	16	1	US-07-942-245-135	Sequence 135, App
44	28	25.9	16	1	US-07-942-245-139	Sequence 139, App
45	28	25.9	16	1	US-07-942-245-149	Sequence 149, App

## ALIGNMENTS

RESULT 1  
US-08-467-023-31  
; Sequence 31, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-31

Query Match 92.6%; Score 100; DB 3; Length 20;  
Best Local Similarity 90.0%; Pred. No. 7.5e-10;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 VNPAGTLRYGATRRSLWI 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 VNPAGTLRYGATRRDPLWI 20

RESULT 2

US-09-142-524D-25  
; Sequence 25, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 25  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 11  
US-09-142-524D-25

Query Match 71.3%; Score 77; DB 4; Length 15;  
Best Local Similarity 93.3%; Pred. No. 3.3e-06;  
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAGTLRYGATRE 15  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 VNPAGTLRYGATRE 15

RESULT 3

US-09-142-524D-26  
; Sequence 26, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 26  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12  
US-09-142-524D-26

Query Match 66.7%; Score 72; DB 4; Length 15;  
Best Local Similarity 86.7%; Pred. No. 2.2e-05;  
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 GTLYRGATRRSLWI 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 1 GTLYRGATRRDPLWI 15

RESULT 4

US-09-142-524D-24  
; Sequence 24, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 24  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 10  
US-09-142-524D-24

Query Match 50.9%; Score 55; DB 4; Length 15;  
Best Local Similarity 100.0%; Pred. No. 0.014;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAGTLRY 10  
| | | | | | | | | | | | | | | | | | | | | |  
Db 6 VNPAGTLRY 15

RESULT 5

US-08-467-023-30  
; Sequence 30, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-467-023-30

Query Match 50.9%; Score 55; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.02;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VNPAGTGLRY 10  
Db 11 VNPAGTGLRY 20

RESULT 6  
US-09-142-524D-27  
Sequence 27, Application US/09142524D  
Patent No. 6719976  
GENERAL INFORMATION:  
APPLICANT: Sone, Toshio  
APPLICANT: Kume, Akino  
APPLICANT: Dairiki, Kazuo  
APPLICANT: Iwama, Akiko  
APPLICANT: Kino, Kohsuke  
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
FILE REFERENCE: SPO-103  
CURRENT APPLICATION NUMBER: US/09/142,524D  
CURRENT FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: PCT/JP97/00740  
PRIOR FILING DATE: 1997-03-10  
NUMBER OF SEQ ID NOS: 174  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 27  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Cryptomeria japonica  
FEATURE:  
NAME/KEY: MISC\_FEATURE  
LOCATION: (1)..(15)  
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13  
US-09-142-524D-27

Query Match 41.7%; Score 45; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.63;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 GATRSLRWI 20  
Db 1 GATDRPLWI 10

RESULT 7  
US-08-467-023-32  
Sequence 32, Application US/08467023  
Patent No. 6090386  
GENERAL INFORMATION:  
APPLICANT: Griffith, Irwin J.;  
APPLICANT: Pollock, Joanne;  
APPLICANT: Bond, Julian F.;  
APPLICANT: Garman, Richard D;  
APPLICANT: Kuo, Mei-Chang;  
APPLICANT: Yeung, Siu-mei H.;  
APPLICANT: Brauer, Andrew;  
APPLICANT: Exley, Mark A.;  
APPLICANT: Powers, Steven P.  
TITLE OF INVENTION: Allergenic Proteins And Peptides From  
TITLE OF INVENTION: Japanese Cedar Pollen  
NUMBER OF SEQUENCES: 261  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,023  
FILING DATE: June 6, 1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/350,225  
FILING DATE: December 6, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane E. Remillard  
REGISTRATION NUMBER: 38,872  
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
US-08-467-023-32

Query Match 41.7%; Score 45; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.87;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 GATRSLRWI 20  
Db 1 GATDRPLWI 10

RESULT 8  
US-09-591-694-15  
Sequence 15, Application US/09591694  
Patent No. 6638734  
GENERAL INFORMATION:  
APPLICANT: John C. Reed  
APPLICANT: Shu-ichi Matsuzawa  
TITLE OF INVENTION: Nucleic Acid Encoding Proteins Involved  
TITLE OF INVENTION: in Protein Degradation, Products and Methods Related Thereto  
FILE REFERENCE: P-LJ 4220  
CURRENT APPLICATION NUMBER: US/09/591,694

; CURRENT FILING DATE: 2000-06-09  
; EARLIER APPLICATION NUMBER: US 09/330,517  
; EARLIER FILING DATE: 1999-06-11  
; NUMBER OF SEQ ID NOS: 49  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-09-591-694-15

Query Match 31.5%; Score 34; DB 4; Length 20;  
Best Local Similarity 52.9%; Pred. No. 57;  
Matches 9; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 4 APGTLRYGATRESLWI 20  
:|||||:|||||  
Db 3 SPGALRSGSLRCLRI 19

RESULT 9  
US-09-649-063-14  
; Sequence 14, Application US/09649063  
; Patent No. 6600022  
; GENERAL INFORMATION:  
; APPLICANT: TORIGOE, Kakuji  
; USHIO, Shimpei  
; KUNIKATA, Toshio  
; KURIMOTO, Masashi  
; TITLE OF INVENTION: INTERLEUKIN-18 RECEPTOR PROTEINS  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/649,063  
; FILING DATE: 29-Aug-2000  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/996,140  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: JP 52,526/1997  
; FILING DATE: 21-FEB-1997  
; APPLICATION NUMBER: JP 163,490/1997  
; FILING DATE: 6-JUN-1997  
; APPLICATION NUMBER: JP 215,490/1997  
; FILING DATE: 28-JUL-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BROWDY, Roger L.  
; REGISTRATION NUMBER: 25,618  
; REFERENCE/DOCKET NUMBER: TORIGOE-2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-628-5197  
; TELEFAX: 202-737-3528  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal fragment  
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
US-09-649-063-14

Query Match 29.6%; Score 32; DB 4; Length 18;

Best Local Similarity 45.5%; Pred. No. 1.1e+02;  
Matches 5; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 VNPAPGTLRYG 11  
:|||||:|||||  
Db 2 IDPANGDTKYG 12

RESULT 10  
US-07-942-245-132  
; Sequence 132, Application US/07942245  
; Patent No. 5639641  
; GENERAL INFORMATION:  
; APPLICANT: PEDERSEN, Jan T.  
; APPLICANT: SEARLE, Stephen M.J.  
; APPLICANT: REES, Anthony R.  
; APPLICANT: ROGUSKA, Michael A.  
; APPLICANT: GUILD, Braydon C.  
; TITLE OF INVENTION: SURFACE RESIDUE VENEERING OF RODENT  
; NUMBER OF SEQUENCES: 522  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas  
; STREET: 2100 Pennsylvania Avenue, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: United States  
; ZIP: 20037-3202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: HP 9000/700 Workstation  
; OPERATING SYSTEM: UNIX  
; SOFTWARE: In house  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/942,245  
; FILING DATE: 03-SEP-1992  
; CLASSIFICATION: 530  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 293-7060  
; TELEFAX: (202) 293-7860  
; TELEX: 6491103  
; INFORMATION FOR SEQ ID NO: 132:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-07-942-245-132

Query Match 28.7%; Score 31; DB 1; Length 16;  
Best Local Similarity 50.0%; Pred. No. 1.4e+02;  
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 3 PAPGTLRYGATR 14  
:|||||:|||||  
Db 4 PTPGVIRSTAMR 15

RESULT 11  
5171838-14  
; Patent No. 5171838  
; APPLICANT: CHIBA, YUKINOBU  
; TITLE OF INVENTION: LEU3A BINDING PEPTIDES  
; NUMBER OF SEQUENCES: 24  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/526,921  
; FILING DATE: 22-MAY-1990  
; SEQ ID NO: 14:  
; LENGTH: 16  
5171838-14

Query Match 28.7%; Score 31; DB 6; Length 16;  
Best Local Similarity 46.7%; Pred. No. 1.4e+02;

Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 5 PGTLYCATRERSLW 19  
Db 1 PSKLNDRADRRSLW 15

## RESULT 12

US-08-764-640-167

; Sequence 167, Application US/08764640

; Patent No. 5869451

; Patent No. 5869451 5837683

; GENERAL INFORMATION:

; APPLICANT: Dower, William J.

; APPLICANT: Barrett, Ronald W.

; APPLICANT: Cwirla, Steven E.

; APPLICANT: Gates, Christian

; APPLICANT: Schatz, Peter J.

; APPLICANT: Balasubramanian, Palaniappan

; APPLICANT: Wagstrom, Christopher R.

; APPLICANT: Hendren, Richard W.

; APPLICANT: Deprince, Randolph B.

; APPLICANT: Podduturi, Surekha

; APPLICANT: Yin, Qun

; TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A

; NUMBER OF SEQUENCES: 244

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Glaxo Wellcome

; STREET: Five Moore Drive, P.O. Box 13398

; CITY: Research Triangle Park

; STATE: NC

; COUNTRY: USA

; ZIP: 27709

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/764,640

; FILING DATE: 11-DEC-1996

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: Hrubiec, Robert T.

; REGISTRATION NUMBER: 36,392

; REFERENCE/DOCKET NUMBER: PK3281

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 919-248-1000

; INFORMATION FOR SEQ ID NO: 167:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 17 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-08-764-640-167

Query Match 28.7%; Score 31; DB 2; Length 17;

Best Local Similarity 50.0%; Pred. No. 1.5e+02;

Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

Qy 9 RYGATRERSLWI 20

Db 1 RYGCTRHQ--WL 10

## RESULT 13

US-08-973-225-167

; Sequence 167, Application US/08973225A

; Patent No. 6083913

; GENERAL INFORMATION:

; APPLICANT: Dower, William J.

; APPLICANT: Dower, William J.

; APPLICANT: Barrett, Ronald W.

; APPLICANT: Cwirla, Steven E.

; APPLICANT: Gates, Christian

; APPLICANT: Schatz, Peter J.

; APPLICANT: Balasubramanian, Palaniappan

Barrett, Ronald W.  
Cwirla, Steven E.  
Duffin, David J.  
Gates, Christian  
Haselden, Sherril S.  
Matheakis, Larry C.  
Schatz, Peter J.  
Wagstrom, Christopher R.  
Wrighton, Nicholas C.  
TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A  
THROMBOPOIETIN RECEPTOR

NUMBER OF SEQUENCES: 232

CORRESPONDENCE ADDRESS:

ADDRESSEE: Glaxo Wellcome

STREET: Five Moore Drive, P.O. Box 13398

CITY: Research Triangle Park

STATE: NC

COUNTRY: USA

ZIP: 27709

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/973,225A

FILING DATE: 04-DEC-1997

ATTORNEY/AGENT INFORMATION:

NAME: Hrubiec, Robert T.

REGISTRATION NUMBER: 36,392

REFERENCE/DOCKET NUMBER: PK3065USW

TELECOMMUNICATION INFORMATION:

TELEPHONE: 919-248-1000

INFORMATION FOR SEQ ID NO: 167:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids

TYPE: amino acid

STRANDEDNESS: <Unknown>

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 167:

US-08-973-225-167

Query Match 28.7%; Score 31; DB 3; Length 17;

Best Local Similarity 50.0%; Pred. No. 1.5e+02;

Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

Qy 9 RYGATRERSLWI 20

Db 1 RYGCTRHQ--WL 10

## RESULT 14

US-09-244-298A-167

; Sequence 167, Application US/09244298A

; Patent No. 6121238

; GENERAL INFORMATION:

; APPLICANT: Dower, William J.

; APPLICANT: Barrett, Ronald W.

; APPLICANT: Cwirla, Steven E.

; APPLICANT: Gates, Christian

; APPLICANT: Schatz, Peter J.

; APPLICANT: Balasubramanian, Palaniappan

; APPLICANT: Wagstrom, Christopher R.

; APPLICANT: Hendren, Richard W.

; APPLICANT: Deprince, Randolph B.

; APPLICANT: Podduturi, Surekha

; APPLICANT: Yin, Qun

; TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A

RECEPTOR

NUMBER OF SEQUENCES: 244

CORRESPONDENCE ADDRESS:

ADDRESSEE: Glaxo Wellcome

```
; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/244,298A
; FILING DATE: 11-DEC-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Hrubiec, Robert T.
; REGISTRATION NUMBER: 36,392
; REFERENCE/DOCKET NUMBER: PK3281
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-248-1000
; INFORMATION FOR SEQ ID NO: 167:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS: linear
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-244-298A-167

Query Match      28.7%; Score 31; DB 3; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

Qy      9 RYGATRSLWI 20
Db      1 RYGCTRHQ--WL 10
      ||||| : ||
      ||||| : ||

Search completed: January 26, 2005, 00:05:12
Job time : 16.9 secs

; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/244,298A
; FILING DATE: 11-DEC-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Hrubiec, Robert T.
; REGISTRATION NUMBER: 36,392
; REFERENCE/DOCKET NUMBER: PK3281
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-248-1000
; INFORMATION FOR SEQ ID NO: 167:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS: linear
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-244-298A-167

Query Match      28.7%; Score 31; DB 3; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 2; Gaps 1;

Qy      9 RYGATRSLWI 20
Db      1 RYGCTRHQ--WL 10
      ||||| : ||
      ||||| : ||

Search completed: January 26, 2005, 00:05:12
Job time : 16.9 secs

; STREET: Five Moore Drive, P.O. Box 13398
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/516,704
; FILING DATE: 01-Mar-2000
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
```

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds  
(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-9

Perfect score: 101

Sequence: 1 GATRSLSWIIFSKNLIK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*  
19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	63	62.4	15	14	US-10-354-240-27
2	62	61.4	15	14	US-10-354-240-27
3	48	47.5	20	14	US-10-354-240-11
4	45	44.6	15	14	US-10-354-240-26
5	39	38.6	15	14	US-10-354-240-29
6	38	37.6	20	14	US-10-280-066-259
7	34	33.7	17	15	US-10-609-217-207
8	34	33.7	17	15	US-10-632-388-207
9	34	33.7	17	15	US-10-651-723-207
10	34	33.7	17	15	US-10-645-761-207
11	34	33.7	17	15	US-10-666-696-207
12	34	33.7	17	15	US-10-653-048-207
13	33	32.7	16	15	US-10-436-715-456

14	32	31.7	20	8	US-08-677-599B-2	Sequence 2, Appli
15	31	30.7	13	15	US-10-469-304-52	Sequence 52, Appl
16	31	30.7	17	13	US-10-032-330-47	Sequence 47, Appl
17	31	30.7	17	17	US-10-882-640-47	Sequence 47, Appl
18	31	30.7	20	8	US-08-677-599B-9	Sequence 9, Appli
19	30	29.7	13	14	US-10-012-542-525	Sequence 525, App
20	30	29.7	13	14	US-10-115-123-525	Sequence 525, App
21	30	29.7	14	14	US-10-199-820-243	Sequence 243, App
22	30	29.7	16	9	US-09-929-924-39	Sequence 39, Appl
23	29	28.7	9	15	US-10-398-104-83	Sequence 83, Appl
24	29	28.7	11	15	US-10-398-104-223	Sequence 223, App
25	29	28.7	13	14	US-10-028-392-26	Sequence 26, Appl
26	29	28.7	13	14	US-10-028-392-48	Sequence 48, Appl
27	29	28.7	13	14	US-10-298-461-26	Sequence 26, Appl
28	29	28.7	14	9	US-09-927-180-12	Sequence 12, Appl
29	29	28.7	16	9	US-09-822-873-4	Sequence 4, Appli
30	29	28.7	18	9	US-09-829-855-239	Sequence 239, App
31	29	28.7	18	14	US-10-084-813-255	Sequence 255, App
32	29	28.7	18	14	US-10-084-813-256	Sequence 256, App
33	29	28.7	18	16	US-10-607-077A-239	Sequence 239, App
34	29	28.7	20	10	US-09-933-767-744	Sequence 744, App
35	29	28.7	20	14	US-10-004-860-744	Sequence 744, App
36	29	28.7	20	14	US-10-023-282-744	Sequence 744, App
37	29	28.7	20	14	US-10-029-386-32710	Sequence 32710, A
38	29	28.7	20	14	US-10-372-735-22	Sequence 22, Appl
39	29	28.7	20	15	US-10-608-541-22	Sequence 22, Appl
40	28	27.7	10	14	US-10-190-082-352	Sequence 352, App
41	28	27.7	10	14	US-10-137-867-310	Sequence 310, App
42	28	27.7	13	9	US-09-884-681-13	Sequence 13, Appl
43	28	27.7	13	14	US-10-293-580-13	Sequence 13, Appl
44	28	27.7	14	17	US-10-813-638-1139	Sequence 1139, Ap
45	28	27.7	15	14	US-10-059-261-308	Sequence 308, App

ALIGNMENTS

RESULT 1  
US-10-354-240-27  
; Sequence 27, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 27  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13  
US-10-354-240-27

Query Match 62.4%; Score 63; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.006;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATRSLSWIIFSKN 15  
||||:|||||||

Db 1 GATDRPLWIFSGN 15

## RESULT 2

US-10-354-240-28  
; Sequence 28, Application US/10354240  
; Publication No. US20030185847A1

## ; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 28

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14

US-10-354-240-28

Query Match

Best Local Similarity 61.4%; Score 62; DB 14; Length 15;

Mismatches 12; Conservative 1; Mismatches 2; Indels 0;

Matches 0; Gaps 0;

OY

6 RSLWIFSKNLNKL 20

|||||

Db 1 RPLWIFSGNWNKL 15

## RESULT 3

US-10-354-240-11

; Sequence 11, Application US/10354240

; Publication No. US20030185847A1

## ; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 11

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

US-10-354-240-11

Query Match

Best Local Similarity 47.5%; Score 48; DB 14; Length 20;

Mismatches 10; Conservative 0; Mismatches 0; Indels 0;

Matches 0; Gaps 0;

OY

11 IFSKNLNKL 20

Db 1 IFSKNLNKL 10

|||||

## RESULT 4

US-10-354-240-26

; Sequence 26, Application US/10354240

; Publication No. US20030185847A1

## ; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 26

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12

US-10-354-240-26

Query Match

Best Local Similarity 44.6%; Score 45; DB 14; Length 15;

Mismatches 8; Conservative 1; Mismatches 1; Indels 0;

Matches 0; Gaps 0;

OY

1 GATRRSLWI 10

|||||

Db 6 GATDRPLWI 15

## RESULT 5

US-10-354-240-29

; Sequence 29, Application US/10354240

; Publication No. US20030185847A1

## ; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 29

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15

US-10-354-240-29

```
Query Match      38.6%; Score 39; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 37;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 IFSKNLNKL 20
Db 1 IFSGNWNKL 10

RESULT 6
US-10-280-066-259
; Sequence 259, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BINDING AGENTS
; FILE REFERENCE: 2598-4009U51
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 259
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Eschericia coli
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: 0700902-Hras-20M-PP-BC-D8
US-10-280-066-259

Query Match      37.6%; Score 38; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 71;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATRSRLWI 10
Db 7 GVQRERELW 16

RESULT 7
US-10-609-217-207
; Sequence 207, Application US/10609217
; Publication No. US20040044188A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/609,217
; CURRENT FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-609-217-207

Query Match      38.6%; Score 39; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 37;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 IFSKNLNKL 20
Db 1 IFSGNWNKL 10

RESULT 6
US-10-280-066-259
; Sequence 259, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BINDING AGENTS
; FILE REFERENCE: 2598-4009U51
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 259
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Eschericia coli
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: 0700902-Hras-20M-PP-BC-D8
US-10-280-066-259

Query Match      37.6%; Score 38; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 71;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 GATRSRLWI 10
Db 7 GVQRERELW 16

RESULT 7
US-10-609-217-207
; Sequence 207, Application US/10609217
; Publication No. US20040044188A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/609,217
; CURRENT FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-609-217-207

Query Match      33.7%; Score 34; DB 15; Length 17;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 EBSLWIF 13
Db 2 ESSLWRIFS 10

RESULT 8
US-10-632-388-207
; Sequence 207, Application US/10632388
; Publication No. US20040053845A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/632,388
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-632-388-207

Query Match      33.7%; Score 34; DB 15; Length 17;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 EBSLWIF 13
Db 2 ESSLWRIFS 10

RESULT 9
US-10-651-723-207
; Sequence 207, Application US/10651723
; Publication No. US20040057953A1
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/10/651,723
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: US/09/428,082B
; PRIOR FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-10-651-723-207
```

Query Match 33.7%; Score 34; DB 15; Length 17;  
Best Local Similarity 77.8%; Pred. No. 2.6e+02;  
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 5 ESSLWIIFS 13  
| | | | |  
Db 2 ESSLWRIFS 10

RESULT 10  
US-10-645-761-207  
; Sequence 207, Application US/10645761  
; Publication No. US200400712A1  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/10/645,761  
; CURRENT FILING DATE: 2003-08-18  
; PRIOR APPLICATION NUMBER: US/09/428,082B  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 207  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE  
US-10-645-761-207

Query Match 33.7%; Score 34; DB 15; Length 17;  
Best Local Similarity 77.8%; Pred. No. 2.6e+02;  
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 5 ESSLWIIFS 13  
| | | | |  
Db 2 ESSLWRIFS 10

RESULT 11  
US-10-666-696-207  
; Sequence 207, Application US/10666696  
; Publication No. US2004007022A1  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; APPLICANT: GUDAS, JEAN MARIE  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527A  
; CURRENT APPLICATION NUMBER: US/10/666,696  
; CURRENT FILING DATE: 2003-09-19  
; PRIOR APPLICATION NUMBER: US/09/563,286C  
; PRIOR FILING DATE: 2000-05-03  
; PRIOR APPLICATION NUMBER: 09/428,082  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1157  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 207  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE

US-10-666-696-207

Query Match 33.7%; Score 34; DB 15; Length 17;  
Best Local Similarity 77.8%; Pred. No. 2.6e+02;  
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 5 ESSLWIIFS 13  
| | | | |  
Db 2 ESSLWRIFS 10

RESULT 12  
US-10-653-048-207  
; Sequence 207, Application US/10653048  
; Publication No. US2004008778A1  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: LIU, CHUAN-FA  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: BOONE, THOMAS CHARLES  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/10/653,048  
; CURRENT FILING DATE: 2003-08-29  
; PRIOR APPLICATION NUMBER: US/09/428,082B  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: 60/105,371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 207  
; LENGTH: 17  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE  
US-10-653-048-207

Query Match 33.7%; Score 34; DB 15; Length 17;  
Best Local Similarity 77.8%; Pred. No. 2.6e+02;  
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 5 ESSLWIIFS 13  
| | | | |  
Db 2 ESSLWRIFS 10

RESULT 13  
US-10-436-715-456  
; Sequence 456, Application US/10436715  
; Publication No. US20040018976A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,  
; AND SPICE VARIANTS THEREOF  
; FILE REFERENCE: D0262 NP  
; CURRENT APPLICATION NUMBER: US/10/436,715  
; CURRENT FILING DATE: 2003-05-13  
; PRIOR APPLICATION NUMBER: U.S. 60/380,336  
; PRIOR FILING DATE: 2002-05-14  
; NUMBER OF SEQ ID NOS: 471  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 456  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-436-715-456

Query Match 32.7%; Score 33; DB 15; Length 16;  
Best Local Similarity 75.0%; Pred. No. 3.5e+02;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 10 IIFSKNIN 17

```
Db          |||:||||
7 IIFRNLN 14

RESULT 14
US-08-677-599B-2
; Sequence 2, Application US/08677599B
; Publication No. US20020155117A1
; GENERAL INFORMATION:
; APPLICANT: Sucia-Foca, Nicole
; TITLE OF INVENTION: METHODS FOR DETECTING ORGAN ALLOGRAFT
; TITLE OF INVENTION: REJECTION AND USES THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/677,599B
; FILING DATE: 08-JUL-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White Esq., John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 50161-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212/278/0400
; TELEFAX: 212/391/0525
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-677-599B-2

Query Match          31.7%; Score 32; DB 8; Length 20;
Best Local Similarity 66.7%; Pred. No. 6.3e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY          1 GATRERSLW 9
Db          |||:||||
1 GKTRPRFLW 9

RESULT 15
US-10-469-304-52
; Sequence 52, Application US/10469304
; Publication No. US20040091974A1
; GENERAL INFORMATION:
; APPLICANT: KIRIN BEER KABUSHIKI KAISHA
; TITLE OF INVENTION: Anti HLA-DR antibody
; FILE REFERENCE: PH-1646-PCT
; CURRENT APPLICATION NUMBER: US/10/469,304
; CURRENT FILING DATE: 2003-08-29
; PRIOR APPLICATION NUMBER: JP2001/317054
; PRIOR FILING DATE: 2001-10-15
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 52
; LENGTH: 13
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:peptide
US-10-469-304-52

Query Match          30.7%; Score 31; DB 15; Length 13;
Best Local Similarity 66.7%; Pred. No. 6e+02;
Matches 6; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY          1 GATRERSLW 9
Db          |||:||||
1 GDTRPRFLW 9

Search completed: January 26, 2005, 00:51:37
Job time : 56.6 secs
```

**This Page Blank (uspto)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-9

Perfect score: 101

Sequence: 1 GATRESLWIFSKNLNKL 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/prodata/1/iaa/5A COMB pep.\*
- 2: /cgn2\_6/prodata/1/iaa/5B COMB pep.\*
- 3: /cgn2\_6/prodata/1/iaa/6A COMB pep.\*
- 4: /cgn2\_6/prodata/1/iaa/6B COMB pep.\*
- 5: /cgn2\_6/prodata/1/iaa/PCTUS COMB pep.\*
- 6: /cgn2\_6/prodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	84	83.2	20	3	US-08-467-023-32
2	63	62.4	15	4	US-09-142-524D-27
3	62	61.4	15	4	US-09-142-524D-28
4	48	47.5	20	4	US-09-142-524D-11
5	45	44.6	15	4	US-09-142-524D-26
6	45	44.6	20	3	US-08-467-023-31
7	39	38.6	15	4	US-09-142-524D-29
8	39	38.6	20	3	US-08-467-023-33
9	34	33.7	12	1	US-08-378-761A-56
10	34	33.7	12	1	US-08-485-286-56
11	34	33.7	12	6	5248606-38
12	34	33.7	17	1	US-08-370-567-11
13	34	33.7	17	1	US-08-438-759-11
14	34	33.7	17	1	US-08-538-911-17
15	34	33.7	17	4	US-09-428-082B-207
16	34	33.7	17	5	PCT-US94-05591-17
17	34	33.7	17	5	PCT-US94-05684-11
18	31	30.7	17	4	US-10-032-330-47
19	31	30.7	20	2	US-08-480-190-42
20	31	30.7	20	2	US-08-488-379-42
21	31	30.7	20	4	US-08-475-399A-42
22	31	30.7	20	4	US-08-077-255A-42
23	31	30.7	20	5	PCT-US93-07545-42
24	30	29.7	13	4	US-09-461-325-525
25	30	29.7	13	4	US-10-012-542-525
26	30	29.7	13	4	US-10-115-123-525
27	30	29.7	16	4	US-09-929-922-39

28	29	28.7	13	4	US-09-291-289-32	Sequence 32, Appl
29	29	28.7	14	1	US-08-281-193-12	Sequence 12, Appl
30	29	28.7	14	1	US-08-422-106-12	Sequence 12, Appl
31	29	28.7	14	2	US-08-735-716-12	Sequence 12, Appl
32	29	28.7	14	2	US-08-934-222-110	Sequence 110, App
33	29	28.7	14	2	US-08-933-402-110	Sequence 110, App
34	29	28.7	14	2	US-09-207-621-110	Sequence 110, App
35	29	28.7	14	2	US-08-532-818-110	Sequence 110, App
36	29	28.7	14	2	US-08-555-568B-12	Sequence 12, Appl
37	29	28.7	14	3	US-09-231-797-110	Sequence 110, App
38	29	28.7	14	3	US-08-934-224-110	Sequence 110, App
39	29	28.7	14	3	US-08-933-843-110	Sequence 110, App
40	29	28.7	14	3	US-08-934-223-110	Sequence 110, App
41	29	28.7	14	3	US-09-413-492-110	Sequence 110, App
42	29	28.7	14	3	US-09-519-223-12	Sequence 12, Appl
43	29	28.7	14	4	US-09-927-180-12	Sequence 12, Appl
44	29	28.7	14	5	PCT-US95-08069-12	Sequence 12, Appl
45	29	28.7	16	1	US-08-009-448-3	Sequence 3, Appli

#### ALIGNMENTS

#### RESULT 1

US-08-467-023-32  
; Sequence 32, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-32

Query Match 83.2%; Score 84; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 8e-08;  
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATRSRLWIIFSKNLIK 20  
| | | | | | | | | | | | | | | | | | | | | |  
DB 1 GATDRPLWIIFSGNNIKL 20

## RESULT 2

US-09-142-524D-27  
; Sequence 27, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinno, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 27  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 13  
US-09-142-524D-27

Query Match 62.4%; Score 63; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.00023;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 GATRSRLWIIFSKN 15  
| | | | | | | | | | | | | | | | | | | | | |  
DB 1 GATDRPLWIIFSGN 15

## RESULT 3

US-09-142-524D-28  
; Sequence 28, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinno, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 28  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12  
US-09-142-524D-28

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14  
US-09-142-524D-28

Query Match 61.4%; Score 62; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.00035;  
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 RSLWIIFSKNLIK 20  
| | | | | | | | | | | | | | | | | | | | | |  
DB 1 RPLWIIFSGNNIKL 15

## RESULT 4

US-09-142-524D-11  
; Sequence 11, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinno, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-09-142-524D-11

Query Match 47.5%; Score 48; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.12;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 IFSKNLIK 20  
| | | | | | | | | | | | | | | | | | | | | |  
DB 1 IFSKNLIK 10

## RESULT 5

US-09-142-524D-26  
; Sequence 26, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kinno, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 26  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 12  
US-09-142-524D-26

Query Match 44.6%; Score 45; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.29; 1; Indels 0; Gaps 0;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
  
QY 1 GATRRSLMI 10  
Db 6 GATDRPLMI 15  
|||||

RESULT 6  
US-08-467-023-31  
; Sequence 31, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
; US-08-467-023-31

Query Match 44.6%; Score 45; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.41;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
  
QY 1 GATRRSLMI 10  
Db 11 GATDRPLMI 20  
|||||

RESULT 7  
US-09-142-524D-29  
; Sequence 29, Application US/09142524D

; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daijiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 29  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15  
US-09-142-524D-29

Query Match 38.6%; Score 39; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 3.2;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 IFSKNLNKL 20  
Db 1 IFSGNNNKL 10  
|||||

RESULT 8  
US-08-467-023-33  
; Sequence 33, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-467-023-33

Query Match 38.6%; Score 39; DB 3; Length 20;

Best Local Similarity 80.0%; Pred. No. 4.4;

Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 IFSKNLNKL 20

||| |:|||

DB 1 IFSGNMNL 10

RESULT 9

US-08-378-761A-56

; Sequence 56, Application US/08378761A

; Patent No. 5635384

; GENERAL INFORMATION:

; APPLICANT: WALSH, TERENCE A

; APPLICANT: HEY, TIMOTHY D

; APPLICANT: MORGAN, ALICE ER

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; NUMBER OF SEQUENCES: 81

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: ANDREA T. BORUCKI

; STREET: 9330 ZIONSVILLE ROAD

; CITY: INDIANAPOLIS

; STATE: IN

; COUNTRY: US

; ZIP: 46268

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/378,761A

; FILING DATE: 26-JAN-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: BORUCKI, ANDREA T

; REGISTRATION NUMBER: 33651

; REFERENCE/DOCKET NUMBER: 38272B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (317) 337-4846

; INFORMATION FOR SEQ ID NO: 56:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 12 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-378-761A-56

Query Match 33.7%; Score 34; DB 1; Length 12;

Best Local Similarity 60.0%; Pred. No. 18;

Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 5 ERSWLIFSK 14

||| |:|||

DB 2 ENSLWLALSK 11

RESULT 10

US-08-485-286-56

; Sequence 56, Application US/08485286

; Patent No. 5646026

; GENERAL INFORMATION:

; APPLICANT: WALSH, TERENCE A

; APPLICANT: HEY, TIMOTHY D

; APPLICANT: MORGAN, ALICE ER

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; TITLE OF INVENTION: RIBOSOME-INACTIVATING PROTEINS, INACTIVE

; NUMBER OF SEQUENCES: 81

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: ANDREA T. BORUCKI

; STREET: 9330 ZIONSVILLE ROAD

; CITY: INDIANAPOLIS

; STATE: IN

; COUNTRY: US

; ZIP: 46268

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/485,286

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/378761

; FILING DATE: 26-JAN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: BORUCKI, ANDREA T

; REGISTRATION NUMBER: 33651

; REFERENCE/DOCKET NUMBER: 38272B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (317) 337-4846

; INFORMATION FOR SEQ ID NO: 56:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 12 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-485-286-56

Query Match 33.7%; Score 34; DB 1; Length 12;

Best Local Similarity 60.0%; Pred. No. 18;

Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 5 ERSWLIFSK 14

||| |:|||

DB 2 ENSLWLALSK 11

RESULT 11

5248606-38

; Patent No. 5248606

; APPLICANT: WALSH, TERENCE A.; HEY, TIMOTHY D.; MORGAN,

; ALICE E.R.

; TITLE OF INVENTION: DNA ENCODING INACTIVE PRECURSOR AND

; ACTIVE FORMS OF MAIZE RIBOSOME INACTIVATIN

; NUMBER OF SEQUENCES: 49

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/535,636

; FILING DATE: 11-JUN-1990

; SEQ ID NO:38:

; LENGTH: 12

5248606-38

Query Match 33.7%; Score 34; DB 6; Length 12;

Best Local Similarity 60.0%; Pred. No. 18;  
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 5 ERSWLWIFSK 14  
| | | | |  
Db 2 ENSLWLALSK 11

## RESULT 12

US-08-370-567-11  
; Sequence 11, Application US/08370567  
; Patent No. 5656726  
; GENERAL INFORMATION:  
; APPLICANT: Rosenberg, Steven  
; APPLICANT: Doyle, Michael  
; APPLICANT: Goodson, Robert  
; TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor  
; TITLE OF INVENTION: Activity  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94608  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/370,567  
; FILING DATE:  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/061,514  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Green, Grant D.  
; REGISTRATION NUMBER: 31,259  
; REFERENCE/DOCKET NUMBER: 0941.001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 510-601-2706  
; TELEFAX: 510-655-3542  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 17 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; US-08-370-567-11

Query Match 33.7%; Score 34; DB 1; Length 17;  
Best Local Similarity 77.8%; Pred. No. 26;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 ERSWLWIFSK 13  
| | | | |  
Db 2 ESSLWRIFS 10

## RESULT 13

US-08-438-759-11  
; Sequence 11, Application US/08438759  
; Patent No. 5679782  
; GENERAL INFORMATION:  
; APPLICANT: Rosenberg, Steven  
; APPLICANT: Doyle, Michael  
; APPLICANT: Goodson, Robert  
; TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor  
; TITLE OF INVENTION: Activity

; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94608  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/438,759  
; FILING DATE:  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/370,567  
; FILING DATE:  
; APPLICATION NUMBER: US/08/061,514  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Green, Grant D.  
; REGISTRATION NUMBER: 31,259  
; REFERENCE/DOCKET NUMBER: 0941.001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 510-601-2706  
; TELEFAX: 510-655-3542  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 17 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; US-08-438-759-11

Query Match 33.7%; Score 34; DB 1; Length 17;  
Best Local Similarity 77.8%; Pred. No. 26;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 ERSWLWIFSK 13  
| | | | |  
Db 2 ESSLWRIFS 10

## RESULT 14

US-08-538-911-17  
; Sequence 17, Application US/08538911  
; Patent No. 5750344  
; GENERAL INFORMATION:  
; APPLICANT: Doyle, Michael  
; APPLICANT: Winter, Jill  
; TITLE OF INVENTION: Method For Selection Of Biologically  
; TITLE OF INVENTION: Active Peptide Sequences  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94608  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/538,911  
; FILING DATE:  
; CLASSIFICATION: 435

Query Match 33.7%; Score 34; DB 1; Length 17;  
Best Local Similarity 77.8%; Pred. No. 26;  
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 ERSWLWIFSK 13  
| | | | |  
Db 2 ESSLWRIFS 10

## RESULT 13

US-08-438-759-11  
; Sequence 11, Application US/08438759  
; Patent No. 5679782  
; GENERAL INFORMATION:  
; APPLICANT: Rosenberg, Steven  
; APPLICANT: Doyle, Michael  
; APPLICANT: Goodson, Robert  
; TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor  
; TITLE OF INVENTION: Activity

```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/069,352
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Green, Grant D.
; REGISTRATION NUMBER: 31,259
; REFERENCE/DOCKET NUMBER: 0407.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-601-2706
; TELEFAX: 510-655-3542
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
US-08-538-911-17

Query Match 33.7%; Score 34; DB 1; Length 17;
Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 ERSLWIIFS 13
Db 2 ESSLWRIFS 10

RESULT 15
US-09-428-082B-207
; Sequence 207, Application US/09428082B
; Patent No. 6660843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN-FA
; APPLICANT: CHEETHAM, JANET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 207
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: UKR ANTAGONIST PEPTIDE
US-09-428-082B-207

Query Match 33.7%; Score 34; DB 4; Length 17;
Best Local Similarity 77.8%; Pred. No. 26;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 ERSLWIIFS 13
Db 2 ESSLWRIFS 10

Search completed: January 26, 2005, 00:05:13
Job time : 17.9 secs

```

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds  
(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-10

Perfect score: 102

Sequence: 1 IFSKNLNIKLNMPLYIAGNK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	102	100.0	20	14	US-10-354-240-11
2	60	58.8	15	14	US-10-354-240-29
3	59	57.8	15	14	US-10-354-240-30
4	39	38.2	15	14	US-10-354-240-28
5	38	37.3	15	14	US-10-354-240-31
6	37	36.3	19	14	US-10-402-954-42
7	35	34.3	13	10	US-09-809-391-714
8	35	34.3	13	10	US-09-882-171-714
9	35	34.3	13	14	US-10-164-861-714
10	31	30.4	11	17	US-10-777-893-150
11	31	30.4	18	9	US-09-071-838-244
12	31	30.4	18	14	US-10-213-512-244
13	30	29.4	13	14	US-10-012-542-525
14	29	28.4	13	14	US-10-115-123-525
15	29	28.4	13	14	US-10-206-699-113
16	29	28.4	13	14	US-10-174-613-44
17	29	28.4	13	14	US-09-741-106-12
18	29	28.4	17	9	US-10-405-339-22
19	29	28.4	20	14	US-10-406-618-3
20	29	28.4	10	9	US-09-767-460-65
21	29	28.4	12	14	US-10-185-050-199
22	29	28.4	14	9	US-09-927-980-12
23	29	28.4	15	15	US-10-394-980-101
24	29	28.4	16	15	US-10-436-715-456
25	29	28.4	18	14	US-10-181-654-21
26	29	28.4	18	14	US-10-181-654-35
27	29	28.4	20	9	US-09-813-333-72
28	29	28.4	20	10	US-09-362-179-1
29	29	28.4	20	13	US-10-044-703-72
30	29	28.4	20	15	US-10-239-103-72
31	28	27.5	9	9	US-09-834-765-335
32	28	27.5	10	9	US-09-834-765-292
33	28	27.5	10	9	US-09-834-765-367
34	28	27.5	10	16	US-10-416-249-660
35	28	27.5	14	14	US-10-164-030-10
36	28	27.5	14	14	US-10-460-125-10
37	28	27.5	14	14	US-10-460-124-10
38	28	27.5	14	17	US-10-639-067-191
39	28	27.5	17	14	US-10-059-261-67
40	28	27.5	17	14	US-10-059-261-175
41	28	27.5	17	17	US-10-627-649-67
42	28	27.5	17	17	US-10-627-649-175
43	28	27.5	18	16	US-10-475-647A-19
44	28	27.5	20	14	US-10-225-567A-2204
45	27	26.5	7	14	US-10-052-578-293

RESULT 1

US-10-354-240-11  
; Sequence 11, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-10-354-240-11

Query Match 100.0%; Score 102; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred No. 5,2e-10;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNIKLNMPLYIAGNK 20  
Db 1 IFSKNLNIKLNMPLYIAGNK 20

RESULT 2

US-10-354-240-29  
; Sequence 29, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 29  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15  
US-10-354-240-29  
Query Match 58.8%; Score 60; DB 14; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.0043;  
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
QY 1 IFSKNLNKLNMPY 15  
DB 1 IFSGNMNIKLKMPY 15  
RESULT 3  
US-10-354-240-30  
; Sequence 30, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 30  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 16  
US-10-354-240-30  
Query Match 57.8%; Score 59; DB 14; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.0063;  
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
QY 6 LNIKLNMPYIAGNK 20

DB 1 MNIXLKMPYIAGYK 15  
RESULT 4  
US-10-354-240-28  
; Sequence 28, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 28  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14  
US-10-354-240-28  
Query Match 38.2%; Score 39; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 14;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;  
QY 1 IFSKNLNKLN 10  
DB 6 IFSGNMNIKL 15  
RESULT 5  
US-10-354-240-31  
; Sequence 31, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 31  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 17  
US-10-354-240-31

```

Query Match      37.3%; Score 38; DB 14; Length 15;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 0; Gaps 0;

QY      12 MPLYIAGNK 20
      ||:|||||
Db       2 MPWYIAGYK 10

RESULT 6
US-10-402-954-42
; Sequence 42, Application US/10402954
; Publication No. US20030175243A1
; GENERAL INFORMATION:
; APPLICANT: TRANSGENE S.A.
; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses
; FILE REFERENCE: D16813
; CURRENT APPLICATION NUMBER: US/10/402,954
; CURRENT FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: US/09/402,401C
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: WO 98 44121
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 42
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Ad3 fiber Mastadenovirus
US-10-402-954-42

Query Match      36.3%; Score 37; DB 14; Length 19;
Best Local Similarity 50.0%; Pred. No. 41;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      4 KNLNKLNMPLY 15
      ||| |:|:|
Db       6 KNKNVSINVELY 17

RESULT 7
US-09-809-391-714
; Sequence 714, Application US/09809391
; Publication No. US20030049618A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P2
; CURRENT APPLICATION NUMBER: US/09/809,391
; CURRENT FILING DATE: 2001-03-16
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 761
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 714
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-809-391-714

Query Match      34.3%; Score 35; DB 10; Length 13;
Best Local Similarity 60.0%; Pred. No. 57;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      11 NMPLYIAGNK 20
      ||:|||||
Db       1 NVPILILGNK 10

RESULT 8
US-09-882-171-714
; Sequence 714, Application US/09882171
; Publication No. US20030175856A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P2
; CURRENT APPLICATION NUMBER: US/09/882,171
; CURRENT FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 09/809,391
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 09/149,476
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: PCT/US98/04493
; PRIOR FILING DATE: 1998-03-06
; PRIOR APPLICATION NUMBER: 60/040,162
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,333
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/038,621
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,626
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/040,163
; PRIOR FILING DATE: 1997-03-07
; PRIOR APPLICATION NUMBER: 60/047,600
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,615
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,597
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,502
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,633
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,583
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,617
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,618
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,503
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,592
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,581
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,584
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,500
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,587
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,492
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,598
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,613
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,582
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,596
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,612
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,632
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,568
; PRIOR FILING DATE: 1997-04-11

```

;  
; PRIOR APPLICATION NUMBER: 60/043,314  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,569  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,311  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,671  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,674  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,669  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,312  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,313  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,672  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,315  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/048,974  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/056,886  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,877  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,889  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,893  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,630  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,878  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,662  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,872  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,882  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,637  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,903  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,888  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,879  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,880  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,894  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,911  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,636  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,874  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,910  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,864  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,631  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,845  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,892  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/057,761  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/047,595  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,599

;  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,588  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,585  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,586  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,590  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,594  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,589  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,593  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/047,614  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/043,578  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/043,576  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/047,501  
; PRIOR FILING DATE: 1997-05-23  
; PRIOR APPLICATION NUMBER: 60/043,670  
; PRIOR FILING DATE: 1997-04-11  
; PRIOR APPLICATION NUMBER: 60/056,632  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,664  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,876  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,881  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,909  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,875  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,862  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,887  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/056,908  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/048,964  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/057,650  
; PRIOR FILING DATE: 1997-09-05  
; PRIOR APPLICATION NUMBER: 60/056,884  
; PRIOR FILING DATE: 1997-08-22  
; PRIOR APPLICATION NUMBER: 60/057,669  
; PRIOR FILING DATE: 1997-09-05

Query Match 34.3%; Score 35; DB 10; Length 13;  
Best Local Similarity 60.0%; Pred. No. 57;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 NMPLYIAGNK 20  
|:|:|  
Db 1 NVPILGNK 10

RESULT 9  
US-10-164-861-714  
; Sequence 714, Application US/10164861  
; Publication No. US20030225248A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 186 Human Secreted proteins  
; FILE REFERENCE: P2002P1  
; CURRENT APPLICATION NUMBER: US/10/164,861  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: US/09/149,476  
; PRIOR FILING DATE: 1998-09-08

; PRIOR APPLICATION NUMBER: PCT/US98/04493  
; PRIOR FILING DATE: 1998-03-06  
; NUMBER OF SEQ ID NOS: 757  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 714  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-164-861-714

Query Match 34.3%; Score 35; DB 14; Length 13;  
Best Local Similarity 60.0%; Pred. No. 57;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 NMPLYIAGNK 20  
|:|:|  
DB 1 NVPILIGNK 10

RESULT 10  
US-10-777-893-150  
; Sequence 150, Application US/10777893  
; Publication No. US20050003450A1  
; GENERAL INFORMATION:  
; APPLICANT: Cell Signaling Technology, Inc.  
; APPLICANT: RUSH, John  
; APPLICANT: ZHANG, Hui  
; APPLICANT: ZHA, Xiangming  
; APPLICANT: COMB, Michael J.  
; APPLICANT: TAN, Yi  
; TITLE OF INVENTION: IMMUNOAFFINITY ISOLATION OF MODIFIED PEPTIDES FROM COMPLEX MIXTURE  
; FILE REFERENCE: CST-201 CIP  
; CURRENT APPLICATION NUMBER: US/10/777,893  
; CURRENT FILING DATE: 2004-02-12  
; PRIOR APPLICATION NUMBER: US 09/148,712  
; PRIOR FILING DATE: 1998-09-04  
; PRIOR APPLICATION NUMBER: US 10/175,486  
; PRIOR FILING DATE: 2002-06-19  
; PRIOR APPLICATION NUMBER: US 09/535,364  
; PRIOR FILING DATE: 2000-03-24  
; PRIOR APPLICATION NUMBER: US 60/299,893  
; PRIOR FILING DATE: 2001-06-21  
; PRIOR APPLICATION NUMBER: US 60/337,012  
; PRIOR FILING DATE: 2001-11-08  
; NUMBER OF SEQ ID NOS: 163  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 150  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (2)-(2)  
; OTHER INFORMATION: PHOSPHORYLATION; tyrosine at position 2 is phosphorylated  
US-10-777-893-150

Query Match 30.4%; Score 31; DB 17; Length 11;  
Best Local Similarity 71.4%; Pred. No. 2.2e+02;  
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 10 LNMPLYI 16  
|:|:|  
DB 4 LNMPLYV 10

RESULT 11  
US-09-071-838-244  
; Sequence 244, Application US/09071838  
; Patent No. US20020152501A1  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Robert L.  
; APPLICANT: Ohad, Nir  
; APPLICANT: Kiyosue, Tomohiro

; APPLICANT: Yadegari, Ramin  
; APPLICANT: Margossian, Linda  
; APPLICANT: Harada, John  
; APPLICANT: Goldberg, Robert B.  
; TITLE OF INVENTION: Nucleic Acids That Control Seed and  
; TITLE OF INVENTION: Fruit Development in Plants  
; NUMBER OF SEQUENCES: 324  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/071,838  
FILING DATE: 01-MAY-1998  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Bastian, Kevin L.  
REGISTRATION NUMBER: 34,774  
REFERENCE/DOCKET NUMBER: 023070-086100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 244:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-071-838-244

Query Match 30.4%; Score 31; DB 9; Length 18;  
Best Local Similarity 35.7%; Pred. No. 3.9e+02;  
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 7 NLKNMPLYIAGNK 20  
|:|:|:|  
DB 1 NLKNHLPYIYLNR 14

RESULT 12  
US-10-213-512-244  
; Sequence 244, Application US/10213512  
; Publication No. US20030110536A1  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Robert L.  
; APPLICANT: Ohad, Nir  
; APPLICANT: Kiyosue, Tomohiro  
; APPLICANT: Yadegari, Ramin  
; APPLICANT: Margossian, Linda  
; APPLICANT: Harada, John  
; APPLICANT: Goldberg, Robert B.  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: Combinations of Nucleic Acids That Control Seed and  
; TITLE OF INVENTION: Fruit Development in Plants  
; FILE REFERENCE: 023070-086110US  
; CURRENT APPLICATION NUMBER: US/10/213,512  
; CURRENT FILING DATE: 2002-08-06  
; PRIOR APPLICATION NUMBER: US/09/177,206  
; PRIOR FILING DATE: 1998-10-22  
; PRIOR APPLICATION NUMBER: US 09/071,838  
; PRIOR FILING DATE: 1998-05-01  
; NUMBER OF SEQ ID NOS: 324  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 244  
; LENGTH: 18

```
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-10-213-512-244

Query Match      30.4%; Score 31; DB 14; Length 18;
Best Local Similarity 35.7%; Pred. No. 3.9e+02;
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY      7 NIKLNPXYIAGNK 20
       |:|:|:|:|:|
Db      1 NLKNHLPYIYLNR 14

RESULT 13
US-10-012-542-525
; Sequence 525, Application US/10012542
; Publication No. US20030044851A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P2029P1
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-525

Query Match      29.4%; Score 30; DB 14; Length 13;
Best Local Similarity 55.6%; Pred. No. 4e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 IFSKNLNK 9
       |:|:|:|
Db      3 IFAGHLSVK 11

RESULT 14
US-10-115-123-525
; Sequence 525, Application US/10115123
; Publication No. US20030065151A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P2029G30AP1D2
; CURRENT APPLICATION NUMBER: US/10/115,123
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: PCT/US99/13418
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: 1998-06-16
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-525

Query Match      29.4%; Score 30; DB 14; Length 13;
Best Local Similarity 55.6%; Pred. No. 4e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY      1 IFSKNLNK 9
       |:|:|:|
Db      3 IFAGHLSVK 11

RESULT 15
US-10-206-699-113
; Sequence 113, Application US/10206699
; Publication No. US20030100510A1
; GENERAL INFORMATION:
; APPLICANT: Sundaramoorthy, M.
; APPLICANT: Hudson, B.
; TITLE OF INVENTION: Crystallized structure of Type IV Collagen NC1 Domain Hexamer
; FILE REFERENCE: MBHB 01-1017
; CURRENT APPLICATION NUMBER: US/10/206,699
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: US 60/308,523
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: US 60/351,289
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: US 60/366,854
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 60/385,362
; PRIOR FILING DATE: 2002-06-03
; NUMBER OF SEQ ID NOS: 307
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 113
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-206-699-113

Query Match      29.4%; Score 30; DB 14; Length 14;
Best Local Similarity 71.4%; Pred. No. 4.3e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      14 LXIAGNK 20
       |:|:|:|
Db      3 LIVQGNK 9

Search completed: January 26, 2005, 00:51:38
Job time : 56.6 secs
```

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-10

Perfect score: 102

Sequence: 1 IFSKNLNLIKLNMPLYIAGNK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:\*  
1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/prodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/prodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	102	100.0	20	4	US-09-142-524D-11
2	77	75.5	20	3	US-08-467-023-33
3	60	58.8	15	4	US-09-142-524D-29
4	59	57.8	15	4	US-09-142-524D-30
5	39	38.2	15	4	US-09-142-524D-28
6	39	38.2	20	3	US-08-467-023-32
7	38	37.3	15	4	US-09-142-524D-31
8	38	37.3	20	3	US-08-467-023-34
9	37	36.3	19	4	US-09-402-401C-42
10	35	34.3	13	4	US-09-149-476-714
11	31	30.4	18	3	US-09-177-249-244
12	30	29.4	13	4	US-09-461-325-525
13	30	29.4	13	4	US-10-012-542-525
14	30	29.4	13	4	US-10-115-123-525
15	30	29.4	17	1	US-08-437-841-12
16	30	29.4	17	1	US-08-286-521-12
17	30	29.4	17	1	US-08-436-175-12
18	30	29.4	17	2	US-08-435-149-8
19	30	29.4	17	3	US-08-943-682-12
20	30	29.4	17	4	US-09-741-106-12
21	30	29.4	17	5	PCT-US95-09464-12
22	29	28.4	10	4	US-09-490-702B-65
23	29	28.4	14	1	US-08-281-193-12
24	29	28.4	14	1	US-08-422-106-12
25	29	28.4	14	2	US-08-735-716-12
26	29	28.4	14	2	US-08-555-568B-12
27	29	28.4	14	3	US-09-519-223-12

28	29	28.4	14	4	US-09-927-180-12	Sequence 12, Appl
29	29	28.4	14	5	PCT-US95-08069-12	Sequence 12, Appl
30	29	28.4	16	2	US-08-454-236-11	Sequence 11, Appl
31	29	28.4	20	2	US-08-419-061A-1	Sequence 1, Appl
32	29	28.4	20	2	US-08-485-647A-1	Sequence 1, Appl
33	28	27.5	20	3	US-08-793-331-11	Sequence 11, Appl
34	27	26.5	9	2	US-08-564-972-77	Sequence 77, Appl
35	27	26.5	9	4	US-09-239-043D-2483	Sequence 2483, Ap
36	27	26.5	10	3	US-09-177-249-131	Sequence 131, Appl
37	27	26.5	20	2	US-08-564-972-43	Sequence 43, Appl
38	27	26.5	20	2	US-08-564-972-47	Sequence 47, Appl
39	26	25.5	15	2	US-08-726-464B-50	Sequence 50, Appl
40	26	25.5	18	3	US-09-247-527-6	Sequence 6, Appl
41	26	25.5	19	1	US-08-399-696-81	Sequence 81, Appl
42	25.5	25.0	12	3	US-09-126-420A-12	Sequence 12, Appl
43	25.5	25.0	18	2	US-08-934-915-124	Sequence 124, App
44	25	24.5	11	2	US-09-090-567-4	Sequence 4, Appl
45	25	24.5	12	4	US-09-462-118-23	Sequence 23, Appl

ALIGNMENTS

RESULT 1  
US-09-142-524D-11  
; Sequence 11, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Daiiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patent version 3.1  
; SEQ ID NO 11  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-09-142-524D-11

Query Match 100.0%; Score 102; DB 4; Length 20;  
Best Local Similarity 100.0%; Pred. No. 7.3e-11; Indels 0; Gaps 0;  
Matches 20; Conservative 0; Mismatches 0;

QY 1 IFSKNLNLIKLNMPLYIAGNK 20  
|||||  
Db 1 IFSKNLNLIKLNMPLYIAGNK 20

RESULT 2  
US-08-467-023-33  
; Sequence 33, Application US/08467023  
; Patent No. 6030386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:  
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.

ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
STREET: 610 Lincoln St  
CITY: Waltham  
STATE: MA  
COUNTRY: USA  
ZIP: 02154

**COMPUTER READABLE FORM:**

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

OPERATING SYSTEM: FC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25

SOFTWARE: FACILCIII REL  
CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: IIS/08/467-023

APPLICATION NUMBER: US/0

FILING DATE: JUNE 6,  
CIRCUIT COURT, 1374

CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/350 325

APPLICATION NUMBER: 08/350,222  
FILING DATE: December 6, 1994

FILING DATE: December 6, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Jane E. Remillard

REGISTRATION NUMBER: 38,872

REFERENCE/DOCKET NUMBER: 02

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-740

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO:

### SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino

**TYPE:** amino acid

**TOPOLOGY:** linear

MOLECULE TYPE: peptide

FRAGMENT TY

```
Query Match          75.5%; Score 77; DB 3; Length 20;
Best Local Similarity 75.0%; Pred. No. 1.4e-06;
Matches 15: Conservative 2; Mismatches 3; Indels
```

**Qy**            1 IFSKNLNIKLNMPYIAGNK 20  
               | | | : | | | | : | | |  
**Dd**            1 IFSGNMNIIKLKMPLYIAGYK 20  
               | | | : | | | | : | | |

```

RESULT 3
US-09-142-524D-29
; Sequence 29, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
US-09-142-524D-29

```

Query Match 58.8%; Score 60; DB 4; Length 15;

```
Best Local Similarity 73.3%; Pred. No. 0.00082;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
```

Qy 1 IFSKLNKLNMPY 15  
||| : ||| ||:|  
db 1 IFSGNMNIKLKMPY 15

## RESULT 4

```

US-09-142-524D-30
/ Sequence 30, Application US/09142524D
/ Patent No. 6719976
/ GENERAL INFORMATION:
/ APPLICANT: Sone, Toshio
/ APPLICANT: Kume, Akinori
/ APPLICANT: Dairiki, Kazuo
/ APPLICANT: Iwama, Akiko
/ APPLICANT: Kino, Kohsuke
/ TITLE OF INVENTION: Peptide-Based Immunoth
/ FILE REFERENCE: SPO-103
/ CURRENT APPLICATION NUMBER: US/09/142,524D
/ CURRENT FILING DATE: 1998-09-09
/ PRIOR APPLICATION NUMBER: PCT/JP97/00740
/ PRIOR FILING DATE: 1997-03-10
/ NUMBER OF SEQ ID NOS: 174
/ SOFTWARE: Patent in version 3.1
/ SEQ ID NO 30
/ LENGTH: 15
/ TYPE: PPT
/ ORGANISM: Cryptomeria japonica
/ FEATURE:
/ NAME/KEY: MISC FEATURE
/ LOCATION: (1)..(15)
/ OTHER INFORMATION: Cryj1 peptide, Figure
/ US-09-142-524D-30

```

Query Match 57.8%; Score 59; DB 4; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.0012;  
Matches 11; Conservative 2; Mismatches 2; Indels

Qy 6 L N I K L N M P L Y I A G N K 20  
: | | | | | : | | | | | }  
nb 1 M N I K L K M P M Y I A G Y K 15

```

RESULT 5
US-09-142-524D-28
US-09-142-524D-28
Sequence 28, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SFO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 28
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
US-09-142-524D-28

```

Query Match 38.2%; Score 39; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 3.2; Indels 0; Gaps 0;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IFSKNLNKL 10  
||| |  
Db 6 IFSGNMNL 15

RESULT 6  
US-08-467-023-32  
; Sequence 32, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D.;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-467-023-32

Query Match 38.2%; Score 39; DB 3; Length 20;  
Best Local Similarity 80.0%; Pred. No. 4.5;  
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IFSKNLNKL 10  
||| |  
Db 11 IFSGNMNL 20

RESULT 7  
US-09-142-524D-31  
; Sequence 31, Application US/09142524D

; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 31  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 17  
US-09-142-524D-31

Query Match 37.3%; Score 38; DB 4; Length 15;  
Best Local Similarity 77.8%; Pred. No. 4.8;  
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 12 MPLYIAGNK 20  
||| |  
Db 2 MPWYIAGYK 10

RESULT 8  
US-08-467-023-34  
; Sequence 34, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D.;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal  
US-08-467-023-32

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 34:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-467-023-34

Query Match 37.3%; Score 38; DB 3; Length 20;

Best Local Similarity 77.8%; Pred. No. 6.7;

Matches 7; Conservative 1; Mismatches 0; Gaps 0;

Qy 12 MPYIAGNK 20

Db 2 MPYIAGYK 10

RESULT 9

US-09-402-401C-42

; Sequence 42, Application US/09402401C

; Patent No. 6569677

; GENERAL INFORMATION:

; APPLICANT: TRANSGENE S.A.

; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses

; FILE REFERENCE: D16813

; CURRENT APPLICATION NUMBER: US/09/402.401C

; CURRENT FILING DATE: 1999-10-04

; PRIOR APPLICATION NUMBER: WO 98 44121

; PRIOR FILING DATE: 1998-04-02

; NUMBER OF SEQ ID NOS: 46

; SOFTWARE: Patent in Ver. 2.2

; SEQ ID NO 42

; LENGTH: 19

; TYPE: PRT

; ORGANISM: Ad3 fiber Mastadenovirus

US-09-402-401C-42

Query Match 36.3%; Score 37; DB 4; Length 19;

Best Local Similarity 50.0%; Pred. No. 9.4;

Matches 6; Conservative 3; Mismatches 0; Gaps 0;

Qy 4 KNLNIKLNMPY 15

Db 6 KKNVNSINVELY 17

RESULT 10

US-09-149-476-714

; Sequence 714, Application US/09149476

; Patent No. 6420526

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: 186 Human Secreted proteins

; FILE REFERENCE: P200221

; CURRENT APPLICATION NUMBER: US/09/149,476

; CURRENT FILING DATE: 1998-09-08

; EARLIER APPLICATION NUMBER: PCT/US98/04493

; EARLIER FILING DATE: 1998-03-06

; EARLIER APPLICATION NUMBER: 60/040,162

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,333

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/038,621

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,626

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,334

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,334

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,336

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/040,163

; EARLIER FILING DATE: 1997-03-07

; EARLIER APPLICATION NUMBER: 60/047,600

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,615

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,597

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,502

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,633

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,583

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,617

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,618

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,503

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,592

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,581

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,584

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,500

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,587

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,492

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,598

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,613

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,582

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,596

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,612

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,632

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/047,601

; EARLIER FILING DATE: 1997-05-23

; EARLIER APPLICATION NUMBER: 60/043,580

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,568

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,314

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,569

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,311

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,671

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,674

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,669

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,312

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,313

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,672

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/043,315

; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/048,974

EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/056,886  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/043,670  
EARLIER FILING DATE: 1997-04-11  
EARLIER APPLICATION NUMBER: 60/056,632  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,889  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,893  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,630  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,878  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,662  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,872  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,882  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,637  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,903  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,888  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,894  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,911  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,636  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,874  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,910  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,864  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,631  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,845  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,892  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/057,761  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/047,595  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,599  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,588  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,585  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,586  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,590  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,594  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,589  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,593  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/047,614  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/043,578  
EARLIER FILING DATE: 1997-04-11  
EARLIER APPLICATION NUMBER: 60/043,576  
EARLIER FILING DATE: 1997-04-11

EARLIER APPLICATION NUMBER: 60/047,501  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/043,670  
EARLIER FILING DATE: 1997-04-11  
EARLIER APPLICATION NUMBER: 60/056,632  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,664  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,876  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,881  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,909  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,875  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,862  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,887  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,908  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/048,964  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/057,650  
EARLIER FILING DATE: 1997-09-05  
EARLIER APPLICATION NUMBER: 60/056,884  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/057,669  
EARLIER FILING DATE: 1997-09-05  
EARLIER APPLICATION NUMBER: 60/049,610  
EARLIER FILING DATE: 1997-06-13  
EARLIER APPLICATION NUMBER: 60/061,060  
EARLIER FILING DATE: 1997-10-02

Query Match 34.3%; Score 35; DB 4; Length 13;  
Best Local Similarity 60.0%; Pred. No. 13;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 NMPLYIAGNK 20  
|.:|:|  
DB 1 NVPILIGNK 10

RESULT 11  
US-09-177-249-244  
; Sequence 244, Application US/09177249  
; Patent No. 6229064  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Robert L.  
; APPLICANT: Chad, Nir  
; APPLICANT: Kiyosue, Tomohiro  
; APPLICANT: Yadegari, Ramin  
; APPLICANT: Margossian, Linda  
; APPLICANT: Harada, John  
; APPLICANT: Goldberg, Robert B.  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: Nucleic Acids That Control Seed and Fruit  
; FILE OF INVENTION: Development in Plants  
; FILE REFERENCE: 023070-086120US  
; CURRENT APPLICATION NUMBER: US/09/177,249  
; CURRENT FILING DATE: 1998-10-22  
; EARLIER APPLICATION NUMBER: US 09/071,838  
; EARLIER FILING DATE: 1998-05-01  
; NUMBER OF SEQ ID NOS: 324  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 244  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Arabidopsis sp.  
US-09-177-249-244

Query Match 30.4%; Score 31; DB 3; Length 18;

Best Local Similarity 35.7%; Pred. No. 94;  
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 7 NIKLNMPLYIAGNK 20  
|:|:|:|:|:|:  
Db 1 NLKNHLPYIYLNR 14

RESULT 12  
US-09-461-325-525  
; Sequence 525, Application US/09461325A  
; Patent No. 6475753  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: 94 Human Secreted Proteins  
; FILE REFERENCE: P2029P1  
; CURRENT APPLICATION NUMBER: US/09/461,325A  
; CURRENT FILING DATE: 1999-12-14  
; EARLIER APPLICATION NUMBER: PCT/US99/13418  
; EARLIER FILING DATE: 1999-06-15  
; EARLIER APPLICATION NUMBER: 60/089,507  
; EARLIER FILING DATE: 1998-06-16  
; EARLIER APPLICATION NUMBER: 60/089,508  
; EARLIER FILING DATE: 1998-06-16  
; EARLIER APPLICATION NUMBER: 60/089,509  
; EARLIER FILING DATE: 1998-06-16  
; EARLIER APPLICATION NUMBER: 60/089,510  
; EARLIER FILING DATE: 1998-06-16  
; EARLIER APPLICATION NUMBER: 60/090,112  
; EARLIER FILING DATE: 1998-06-22  
; EARLIER APPLICATION NUMBER: 60/090,113  
; EARLIER FILING DATE: 1998-06-22  
; NUMBER OF SEQ ID NOS: 532  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 525  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-461-325-525

Query Match 29.4%; Score 30; DB 4; Length 13;  
Best Local Similarity 55.6%; Pred. No. 95;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNLIK 9  
|:|:|:|:|:|:  
Db 3 IFAKHLSVK 11

RESULT 13  
US-10-012-542-525  
; Sequence 525, Application US/10012542  
; Patent No. 6627741  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: 94 Human Secreted Proteins  
; FILE REFERENCE: P2029P1  
; CURRENT APPLICATION NUMBER: US/10/012,542  
; CURRENT FILING DATE: 2001-12-12  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22

; NUMBER OF SEQ ID NOS: 532  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 525  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-012-542-525

Query Match 29.4%; Score 30; DB 4; Length 13;  
Best Local Similarity 55.6%; Pred. No. 95;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNLIK 9  
|:|:|:|:|:|:  
Db 3 IFAKHLSVK 11

RESULT 14  
US-10-115-123-525  
; Sequence 525, Application US/10115123  
; Patent No. 6774216  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: 94 Human Secreted Proteins  
; FILE REFERENCE: P2029G30AF1D2  
; CURRENT APPLICATION NUMBER: US/10/115,123  
; CURRENT FILING DATE: 2002-04-04  
; PRIOR APPLICATION NUMBER: PCT/US99/13418  
; PRIOR FILING DATE: 1999-06-15  
; PRIOR APPLICATION NUMBER: 60/089,507  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089,508  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089,509  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089,510  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/090,112  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090,113  
; PRIOR FILING DATE: 1998-06-22  
; NUMBER OF SEQ ID NOS: 532  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 525  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-115-123-525

Query Match 29.4%; Score 30; DB 4; Length 13;  
Best Local Similarity 55.6%; Pred. No. 95;  
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNLIK 9  
|:|:|:|:|:|:  
Db 3 IFAKHLSVK 11

RESULT 15  
US-08-437-841-12  
; Sequence 12, Application US/08437841  
; Patent No. 5563123  
; GENERAL INFORMATION:  
; APPLICANT: Innis, Michael  
; APPLICANT: Creasey, Abba  
; TITLE OF INVENTION: Chimeric Proteins  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton St.  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA

ZIP: 94608  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30B  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/437,841  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/286,521  
FILING DATE: 05-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Savereide, Paul B.  
REGISTRATION NUMBER: 36,914  
REFERENCE/DOCKET NUMBER: 0990.001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 510-601-2585  
TELEFAX: 510-655-3542  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 17 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-437-841-12

Query Match 29.4%; Score 30; DB 1; Length 17;  
Best Local Similarity 58.3%; Pred. No. 1.3e+02;  
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
QY 9 KLNMPLYIAGNK 20  
Db 2 KLCRLRYKANK 13

Search completed: January 26, 2005, 00:05:14  
Job time : 17.9 secs

This Page Blank (uspto)

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds

(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-12

Perfect score: 112

Sequence: 1 TIDGRGAEVHNGGPGCLEM 20

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Published Applications AA.\*
- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
  - 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
  - 3: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
  - 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
  - 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
  - 6: /cgn2\_6/ptodata/1/pubpaa/PCT05\_PUBCOMB.pep.\*
  - 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
  - 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
  - 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
  - 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
  - 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
  - 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
  - 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
  - 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
  - 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
  - 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
  - 17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
  - 18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
  - 19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
  - 20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	70	62.5	15	14 US-10-354-240-34	Sequence 34, Appl
2	68	60.7	15	14 US-10-354-240-33	Sequence 33, Appl
3	52	46.4	15	14 US-10-354-240-35	Sequence 35, Appl
4	40	35.7	15	14 US-10-354-240-32	Sequence 32, Appl
5	40	35.7	20	9 US-09-876-204-5	Sequence 5, Appl
6	37	33.0	16	14 US-10-062-548-119	Sequence 119, App
7	37	33.0	18	15 US-09-764-163-2	Sequence 2, Appl
8	37	33.0	18	15 US-10-668-778-9	Sequence 9, Appl
9	36	32.1	20	9 US-09-876-204-4	Sequence 4, Appl
10	36	32.1	20	14 US-10-280-066-467	Sequence 467, App
11	33	29.5	13	10 US-09-852-910-113	Sequence 113, App
12	33	29.5	13	14 US-10-373-540-17	Sequence 17, Appl
13	33	29.5	13	15 US-10-411-336A-113	Sequence 113, App

14	33	29.5	15	17	US-10-732-345-20	Sequence 20, Appl
15	33	29.5	16	9	US-09-908-322-32	Sequence 32, Appl
16	33	29.5	16	10	US-09-783-931-32	Sequence 32, Appl
17	33	29.5	20	15	US-10-432-465-16	Sequence 16, Appl
18	33	29.5	20	17	US-10-890-526-41	Sequence 41, Appl
19	32	28.6	10	10	US-09-572-404B-852	Sequence 852, App
20	32	28.6	12	15	US-10-362-527-39	Sequence 39, Appl
21	32	28.6	16	10	US-09-747-287-103	Sequence 103, App
22	32	28.6	16	11	US-09-874-350A-70	Sequence 70, Appl
23	31	27.7	9	14	US-10-213-742-4	Sequence 4, Appl
24	31	27.7	11	15	US-10-356-257-203	Sequence 203, App
25	31	27.7	13	14	US-10-152-158-2	Sequence 2, Appl
26	31	27.7	17	17	US-10-473-134-16	Sequence 16, Appl
27	31	27.7	18	17	US-10-473-134-1	Sequence 1, Appl
28	31	27.7	18	17	US-10-473-134-11	Sequence 11, Appl
29	30	26.8	9	15	US-10-466-205-13	Sequence 13, Appl
30	30	26.8	13	15	US-10-469-837-60	Sequence 60, Appl
31	30	26.8	13	15	US-10-469-837-61	Sequence 61, Appl
32	30	26.8	15	10	US-09-894-594-37	Sequence 37, Appl
33	30	26.8	15	10	US-09-894-594-54	Sequence 54, Appl
34	30	26.8	15	14	US-10-082-830-160	Sequence 160, App
35	30	26.8	16	15	US-10-449-829A-15	Sequence 15, Appl
36	30	26.8	18	14	US-10-106-698-7659	Sequence 7659, Ap
37	30	26.8	19	14	US-10-225-567A-1306	Sequence 1306, Ap
38	30	26.8	19	14	US-10-029-386-34000	Sequence 34000, A
39	30	26.8	20	14	US-10-029-386-28053	Sequence 28053, A
40	30	26.8	20	14	US-10-283-017-2043	Sequence 2043, Ap
41	29	25.9	6	17	US-10-719-385-26	Sequence 26, Appl
42	29	25.9	7	15	US-10-297-337-13	Sequence 13, Appl
43	29	25.9	9	9	US-09-791-378-59	Sequence 59, Appl
44	29	25.9	9	9	US-09-826-290-85	Sequence 85, Appl
45	29	25.9	9	10	US-09-791-393-91	Sequence 91, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-34

; Sequence 34, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshiro

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 34

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC\_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120

US-10-354-240-34

Query Match 62.5%; Score 70; DB 14; Length 15;  
Best Local Similarity 73.3%; Pred. No. 0.0019;  
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY

6 GAEVHNGGPGCLEM 20

|||||

Db 1 GAQVIGNGPGCVFI 15

## RESULT 2

US-10-354-240-33  
; Sequence 33, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Kume, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 33  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 19  
US-10-354-240-33

Query Match 60.7%; Score 68; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.0037;  
Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TIDGRGAHVHNGG 15

Db 1 TFDGRGAQVYVINGG 15

## RESULT 3

US-10-354-240-35  
; Sequence 35, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Kume, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; PRIOR FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 35  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21  
US-10-354-240-35

Query Match 46.4%; Score 52; DB 14; Length 15;

Best Local Similarity 80.0%; Pred. No. 0.88;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 11 IGNNGPCLFEM 20

Db 1 IGNNGPCVFI 10

## RESULT 4

US-10-354-240-32  
; Sequence 32, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 32  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 18  
US-10-354-240-32

Query Match 35.7%; Score 40; DB 14; Length 15;  
Best Local Similarity 70.0%; Pred. No. 53;  
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TIDGRGAEVH 10

Db 6 TFDGRGAQVY 15

## RESULT 5

US-09-876-204-5  
; Sequence 5, Application US/09876204  
; Patent No. US20020052316A1  
; GENERAL INFORMATION:  
; APPLICANT: Gordon C. Shore et al.  
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING  
; TITLE OF INVENTION: REAGENTS AND METHODS  
; FILE REFERENCE: 50013/011001  
; CURRENT APPLICATION NUMBER: US/09/876,204  
; CURRENT FILING DATE: 2001-06-06  
; PRIOR APPLICATION NUMBER: 09/166,028  
; PRIOR FILING DATE: 1998-10-05  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-09-876-204-5

Query Match 35.7%; Score 40; DB 9; Length 20;  
Best Local Similarity 53.3%; Pred. No. 71;  
Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;

Qy 2 IDGRGAEVHNGGP 16

Db 1 MDGSGD--HLGGGP 13  
:| | | | :| | | |

RESULT 6  
US-10-062-548-119  
; Sequence 119, Application US/10062548  
; Publication No. US20030096982A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 44 Human Secreted Proteins  
; FILE REFERENCE: P2024P1  
; CURRENT APPLICATION NUMBER: US/10/062,548  
; CURRENT FILING DATE: 2002-02-05  
; PRIOR APPLICATION NUMBER: 09/359,247  
; PRIOR FILING DATE: 1999-08-05  
; PRIOR APPLICATION NUMBER: 60/074,118  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074,157  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074,137  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074,341  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074,141  
; PRIOR FILING DATE: 1998-02-09  
; NUMBER OF SEQ ID NOS: 172  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 119  
; LENGTH: 16  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-062-548-119

Query Match 33.0%; Score 37; DB 14; Length 16;  
Best Local Similarity 46.2%; Pred. No. 1.6e+02;  
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 4 GRGAEVHNGGPG 16  
| | | | | :| | | |  
Db 1 GTSPEAYVGGPG 13

RESULT 7  
US-09-764-163-2  
; Sequence 2, Application US/09764163  
; Publication No. US20030165825A1  
; GENERAL INFORMATION:  
; APPLICANT: Panorama Research, Inc.  
; APPLICANT: BALINT, Robert F.  
; APPLICANT: HER, Jeng-Horng  
; TITLE OF INVENTION: INTERACTION-ACTIVATED PROTEINS  
; FILE REFERENCE: PARE.002.02US  
; CURRENT APPLICATION NUMBER: US/09/764,163  
; CURRENT FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: 60/175,968  
; PRIOR FILING DATE: 2000-01-13  
; PRIOR APPLICATION NUMBER: 09/526,126  
; PRIOR FILING DATE: 2000-03-15  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: library  
US-09-764-163-2

Query Match 33.0%; Score 37; DB 10; Length 18;  
Best Local Similarity 46.7%; Pred. No. 1.8e+02;  
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 3 DGRGAEVHNGGPG 17  
:| | | | :| | | |  
Db 4 EGQGGVAVGVGGPG 18

RESULT 8  
US-10-668-778-9  
; Sequence 9, Application US/10668778  
; Publication No. US20040038317A1  
; GENERAL INFORMATION:  
; APPLICANT: Balint, Robert F.  
; APPLICANT: Her, Jeng-Horng  
; APPLICANT: Kalobios, Inc.  
; TITLE OF INVENTION: Interaction-Activated Proteins  
; FILE REFERENCE: 021167-000700US  
; CURRENT APPLICATION NUMBER: US/10/668,778  
; CURRENT FILING DATE: 2003-09-22  
; PRIOR APPLICATION NUMBER: US/09/526,106  
; PRIOR FILING DATE: 2000-03-15  
; PRIOR APPLICATION NUMBER: US 60/124,339  
; PRIOR FILING DATE: 1999-03-15  
; PRIOR APPLICATION NUMBER: US 60/135,926  
; PRIOR FILING DATE: 1999-05-25  
; PRIOR APPLICATION NUMBER: US 60/175,968  
; PRIOR FILING DATE: 2000-01-13  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 9  
; LENGTH: 18  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: CD40-binding  
US-10-668-778-9

Query Match 33.0%; Score 37; DB 15; Length 18;  
Best Local Similarity 46.7%; Pred. No. 1.8e+02;  
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 3 DGRGAEVHNGGPG 17  
:| | | | :| | | |  
Db 4 EGQGGVAVGVGGPG 18

RESULT 9  
US-09-876-204-4  
; Sequence 4, Application US/09876204  
; Patent No. US20020052316A1  
; GENERAL INFORMATION:  
; APPLICANT: Gordon C. Shore et al.  
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING  
; TITLE OF INVENTION: REAGENTS AND METHODS  
; FILE REFERENCE: 50013/011001  
; CURRENT APPLICATION NUMBER: US/09/876,204  
; CURRENT FILING DATE: 2001-06-06  
; PRIOR APPLICATION NUMBER: 09/166,028  
; PRIOR FILING DATE: 1998-10-05  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-876-204-4

Query Match 32.1%; Score 36; DB 9; Length 20;  
Best Local Similarity 46.7%; Pred. No. 2.8e+02;  
Matches 7; Conservative 4; Mismatches 2; Indels 2; Gaps 1;

QY 2 IDGRGAEVHNGGPG 16  
:| | | | :| | | |

Db 1 MDGSEQ--LGSQGP 13

RESULT 10  
US-10-280-066-467  
; Sequence 467, Application US/10280066  
; Publication No. US20030180718A1  
; GENERAL INFORMATION:  
; APPLICANT: Pillutla, Renuka C.  
; APPLICANT: Brissette, Renee  
; APPLICANT: Spruyt, Michael  
; APPLICANT: Dedova, Olga  
; APPLICANT: Blume, Arthur J.  
; APPLICANT: Prendergast, John  
; APPLICANT: Goldstein, Neil I.  
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BINDING  
; FILE REFERENCE: 2598-4009U51  
; CURRENT APPLICATION NUMBER: US/10/280,066  
; CURRENT FILING DATE: 2002-10-24  
; PRIOR APPLICATION NUMBER: 60/345,471  
; PRIOR FILING DATE: 2001-10-24  
; NUMBER OF SEQ ID NOS: 537  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 467  
; LENGTH: 20  
; TYPE: PRT  
; ORGANISM: Eschericia coli  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: FGFR1b-20R-B1  
US-10-280-066-467

Query Match 32.1%; Score 36; DB 14; Length 20;  
Best Local Similarity 46.7%; Pred. No. 2.8e+02;  
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 5 RGAHVHIGNGPCLF 19  
||| : |||  
Db 1 RGCVLEALSGGCLF 15

RESULT 11  
US-09-852-910-113  
; Sequence 113, Application US/09852910  
; Publication No. US20030096297A1  
; GENERAL INFORMATION:  
; APPLICANT: Hamm, Heidi  
; APPLICANT: Gilchrist, Annette  
; TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor S  
; FILE REFERENCE: 2661-101  
; CURRENT APPLICATION NUMBER: US/09/852,910  
; CURRENT FILING DATE: 2001-09-18  
; PRIOR APPLICATION NUMBER: US 60/275,472  
; PRIOR FILING DATE: 2001-03-14  
; NUMBER OF SEQ ID NOS: 271  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 113  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)-(13)  
; OTHER INFORMATION: G alpha i R minigene peptide  
US-09-852-910-113

Query Match 29.5%; Score 33; DB 10; Length 13;  
Best Local Similarity 66.7%; Pred. No. 5e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 11 IINGGPCLF 19  
: ||| |||  
Db 1 MGNIGKCLF 9

RESULT 12

US-10-373-540-17  
; Sequence 17, Application US/10373540  
; Publication No. US20030162258A1  
; GENERAL INFORMATION:  
; APPLICANT: HAMM, Heidi  
; APPLICANT: GILCHRIST, Annette  
; TITLE OF INVENTION: INHIBITORS OF G PROTEIN-MEDIATED SIGNALING, METHODS OF MAKING THEN  
; FILE REFERENCE: 0290-29 (NU 99037)  
; CURRENT APPLICATION NUMBER: US/10/373,540  
; CURRENT FILING DATE: 2003-02-24  
; PRIOR APPLICATION NUMBER: US/09/489,156  
; PRIOR FILING DATE: PRIOR FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 47  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 17  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: G alpha i R peptide  
US-10-373-540-17

Query Match 29.5%; Score 33; DB 14; Length 13;  
Best Local Similarity 66.7%; Pred. No. 5e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 11 IINGGPCLF 19  
: ||| |||  
Db 1 MGNIGKCLF 9

RESULT 13

US-10-411-336A-113  
; Sequence 113, Application US/10411336A  
; Publication No. US20040018558A1  
; GENERAL INFORMATION:  
; APPLICANT: GILCHRIST, ANNETTE  
; APPLICANT: HAMM, HEIDI  
; TITLE OF INVENTION: METHOD FOR IDENTIFYING MODULATORS OF G PROTEIN COUPLED RECEPTOR  
; FILE REFERENCE: 2661-102  
; CURRENT APPLICATION NUMBER: US/10/411,336A  
; CURRENT FILING DATE: 2003-04-11  
; PRIOR APPLICATION NUMBER: US 09/852910  
; PRIOR FILING DATE: 2001-05-11  
; PRIOR APPLICATION NUMBER: US 60/275472  
; PRIOR FILING DATE: 2001-03-14  
; NUMBER OF SEQ ID NOS: 273  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 113  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: G alpha i R minigene peptide  
US-10-411-336A-113

Query Match 29.5%; Score 33; DB 15; Length 13;  
Best Local Similarity 66.7%; Pred. No. 5e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 11 IINGGPCLF 19  
: ||| |||  
Db 1 MGNIGKCLF 9

RESULT 14

US-10-732-345-20  
; Sequence 20, Application US/10732345

Publication No. US20040214331A1  
GENERAL INFORMATION:  
APPLICANT: FRAZER, IAN  
APPLICANT: ZHOU, JIAN  
TITLE OF INVENTION: PAPILLOMAVIRUS VACCINE  
FILE REFERENCE: 065064/0137  
CURRENT APPLICATION NUMBER: US/10/732,345  
CURRENT FILING DATE: 2003-12-11  
PRIOR APPLICATION NUMBER: 08/185,928  
PRIOR FILING DATE: 1994-01-19  
PRIOR APPLICATION NUMBER: PCT/AU92/02184  
PRIOR FILING DATE: 1992-07-20  
PRIOR APPLICATION NUMBER: AU PK7322  
PRIOR FILING DATE: 1991-07-19  
NUMBER OF SEQ ID NOS: 66  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 20  
LENGTH: 15  
TYPE: PRT  
ORGANISM: Human papillomavirus type 16  
US-10-732-345-20

Query Match 29.5%; Score 33; DB 17; Length 15;  
Best Local Similarity 62.5%; Pred. No. 5.8e+02;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 10 HIGNGGPC 17  
| | | | |  
Db 4 HWKGSPC 11

RESULT 15  
US-09-908-322-32  
Sequence 32, Application US/09908322  
Patent No. US20020107194A1  
GENERAL INFORMATION:  
APPLICANT: Ish-Horowicz, David  
Henrique, Domingos Manuel Pinto  
Lewis, Julian Hart  
Artavanis-Tsakonas, Spyridon  
Gray, Grace  
TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF  
VERTEBRATE DELTA GENE AND METHODS BASED THEREON  
NUMBER OF SEQUENCES: 94  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036/2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/908,322  
FILING DATE: 17-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/981,392  
FILING DATE: 22-DEC-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Misrock, S Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 7326-123  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-790-9090  
TELEFAX: 212-869-8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:

LENGTH: 16 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 32:  
US-09-908-322-32  
Query Match 29.5%; Score 33; DB 9; Length 16;  
Best Local Similarity 50.0%; Pred. No. 6.2e+02;  
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;  
QY 5 RGAEVHIGNGGPCL 18  
| | | | |  
Db 3 RGMQVQSLAGPVL 16  
Search completed: January 26, 2005, 00:51:39  
Job time : 56.6 secs

This Page Blank (uspto)

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-12

Perfect score: 112

Sequence: 1 TIDGRCAEVHIGNGGPCLPM 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/prodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/prodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	92	82.1	20	3	US-08-467-023-35
2	70	62.5	15	4	US-09-142-524D-34
3	68	60.7	15	4	US-09-142-524D-33
4	52	46.4	15	4	US-09-142-524D-35
5	52	46.4	20	3	US-08-467-023-36
6	40	35.7	15	4	US-09-142-524D-32
7	40	35.7	20	3	US-08-467-023-34
8	40	35.7	20	3	US-09-166-028-5
9	37	33.0	16	4	US-09-369-247-119
10	36	32.1	15	3	US-08-654-623-71
11	36	32.1	20	3	US-09-166-028-4
12	33	29.5	13	4	US-09-489-156-17
13	33	29.5	15	4	US-09-947-372A-20
14	33	29.5	16	3	US-08-981-392-32
15	33	29.5	16	4	US-09-908-322-32
16	33	29.5	19	1	US-08-290-448A-49
17	33	29.5	19	1	US-08-290-448A-49
18	33	29.5	19	1	US-08-175-069A-49
19	33	29.5	19	3	US-08-461-939B-49
20	33	29.5	19	3	US-08-464-000-49
21	33	29.5	20	1	US-07-678-974D-13
22	33	29.5	20	2	US-08-945-168-18
23	32	28.6	16	3	US-08-802-981-71
24	31.5	28.1	14	1	US-08-678-552A-1
25	31.5	28.1	14	2	US-08-576-039-1
26	31	27.7	9	3	US-08-946-525-4
27	31	27.7	9	4	US-09-599-286-4

28 31 27.7 13 3 US-09-258-754-107 Sequence 107, App  
29 31 27.7 13 3 US-09-042-107-107 Sequence 107, App  
30 31 27.7 13 4 US-09-722-250D-107 Sequence 107, App  
31 31 27.7 13 4 US-10-152-158-2 Sequence 2, Appl1  
32 31 27.7 13 4 US-09-676-475A-107 Sequence 107, App  
33 31 27.7 15 2 US-08-733-982A-14 Sequence 14, Appl  
34 31 27.7 15 5 PCT-US93-06751-136 Sequence 136, App  
35 30 26.8 20 1 US-07-956-848A-45 Sequence 45, Appl  
36 30 26.8 20 1 US-08-471-956-45 Sequence 45, Appl  
37 29 25.9 9 4 US-08-988-242-16 Sequence 16, Appl  
38 29 25.9 12 1 US-08-446-856A-10 Sequence 10, Appl  
39 29 25.9 13 4 US-09-664-945-104 Sequence 104, App  
40 29 25.9 14 4 US-09-741-171-5 Sequence 5, Appl1  
41 29 25.9 15 3 US-09-140-201-14 Sequence 14, Appl  
42 29 25.9 15 5 PCT-US93-06751-87 Sequence 87, Appl  
43 29 25.9 18 2 US-09-017-205-17 Sequence 17, Appl  
44 29 25.9 18 2 US-09-017-205-20 Sequence 20, Appl  
45 29 25.9 19 3 US-08-825-852-76 Sequence 76, Appl

#### ALIGNMENTS

#### RESULT 1

US-08-467-023-35  
; Sequence 35, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,972  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

1

COMPUTER READABLE FORM:	
MEDIUM TYPE:	Floppy disk
COMPUTER:	IBM PC compatible
OPERATING SYSTEM:	PC-DOS/MS-DOS
SOFTWARE:	PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:	
APPLICATION NUMBER:	US/08/467,023
FILING DATE:	June 6, 1995
CLASSIFICATION:	424
PRIOR APPLICATION:	
REGISTRATION NUMBER:	08/350,225
REFERENCE/DOCKET NUMBER:	025.6 USD2 (IMI-028CPD2)
TELEPHONE:	(617) 227-7400
TELEFAX:	(617) 227-7400
INFORMATION FOR SEQ ID NO:	36:
SEQUENCE CHARACTERISTICS:	
LENGTH:	20 amino acids
TYPE:	amino acid
MOLECULE TYPE:	peptide
FRAGMENT TYPE:	internal
US-08-467-023-36	
Query Match	46.4%; Score 52; DB 3; Length 20;
Best Local Similarity	80.0%; Pred. No. 0.33;
Matches	8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY	11 IGGGPGCLFM 20
DB	1 IGGGPGCVFI 10
RESULT 6	
US-09-142-524D-32	
Sequence 32, Application US/09142524D	
Patent No. 6719976	
GENERAL INFORMATION:	
APPLICANT:	Sone, Toshio
APPLICANT:	Kume, Akinori
APPLICANT:	Dairiki, Kazuo
APPLICANT:	Iwama, Akiko
APPLICANT:	Kino, Kohsuke
TITLE OF INVENTION:	Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE:	SPO-103
CURRENT APPLICATION NUMBER:	US/09/142,524D
CURRENT FILING DATE:	1998-09-09
PRIOR APPLICATION NUMBER:	PCT/JP97/00740
PRIOR FILING DATE:	1997-03-10
NUMBER OF SEQ ID NOS:	174
SOFTWARE:	PatentIn version 3.1
SEQ ID NO 32	
LENGTH:	15
TYPE:	PRT
ORGANISM:	Cryptomeria japonica
FEATURE:	
NAME/KEY:	MISC FEATURE
LOCATION:	(1)-(15)
OTHER INFORMATION:	Cryj1 peptide, Figure 1, Row 18
US-09-142-524D-32	
Query Match	35.7%; Score 40; DB 4; Length 15;
Best Local Similarity	70.0%; Pred. No. 14;
Matches	7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY	1 TIDGRGAEVH 10
DB	6 TFDGRGAQVY 15

```
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-166-028-5

Query Match      35.7%; Score 40; DB 3; Length 20;
Best Local Similarity 53.3%; Pred. No. 19;
Matches 8; Conservative 2; Mismatches 3; Indels 3; Gaps 1;

QY  2 IDGRGAEVHIGNGGP 16
    :||| | | | | |
Db   1 MDGSGD--HLGGGP 13

RESULT 9
US-09-369-247-119
; Sequence 119, Application US/09369247
; Patent No. 6569992
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2024P1
; CURRENT APPLICATION NUMBER: US/09/369,247
; CURRENT FILING DATE: 1999-08-05
; EARLIER APPLICATION NUMBER: 60/074,118
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,157
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,137
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,341
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,141
; EARLIER FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 119
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-369-247-119

Query Match      33.0%; Score 37; DB 4; Length 16;
Best Local Similarity 46.2%; Pred. No. 42;
Matches 6; Conservative 2; Mismatches 5; Indels 5; Gaps 0;

QY  4 GRGAEVHIGNGGP 16
    | | | | |
Db   1 GTSPEAYVGGGP 13

RESULT 10
US-08-654-623-71
; Sequence 71, Application US/08654623
; Patent No. 6010884
; GENERAL INFORMATION:
; APPLICANT: Griffiths, Andrew D
; APPLICANT: Holliger, Kaspar-Philipp
; APPLICANT: Nissim, Ahuva
; APPLICANT: Fisch, Igor
; APPLICANT: Winter, Gregory P
; TITLE OF INVENTION: Recombinant Binding Proteins and Peptides
; NUMBER OF SEQUENCES: 71
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,623
; FILING DATE: 29-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9225453.1
; FILING DATE: 04-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9300816.7
; FILING DATE: 16-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93303614.7
; FILING DATE: 10-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9319969.3
; FILING DATE: 22-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB93/02492
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9412147.2
; FILING DATE: 17-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB94/02662
; FILING DATE: 05-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/448,418
; FILING DATE: 02-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: David W. Clough
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28111/33259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-654-623-71

Query Match      32.1%; Score 36; DB 3; Length 15;
Best Local Similarity 40.0%; Pred. No. 56;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY  4 GRGAEVHIGNGGPCL 18
    | | | | |
Db   1 GGGGSLNVGGGGSAL 15

RESULT 11
US-09-166-028-4
; Sequence 4, Application US/09166028
; Patent No. 6245885
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/166,028
; CURRENT FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
```

ORGANISM: Mus musculus  
US-09-166-028-4

Query Match 32.1%; Score 36; DB 3; Length 20;  
Best Local Similarity 46.7%; Pred. No. 75;  
Matches 7; Conservative 4; Mismatches 2; Indels 2; Gaps 1;

QY 2 IDRGAEVHNGGP 16  
: : : : :  
Db 1 MDGSGEQ--LGSGGP 13

RESULT 12  
US-09-489-156-17  
; Sequence 17, Application US/09489156  
; Patent No. 6559128  
; GENERAL INFORMATION:  
; APPLICANT: HAMM, Heidi  
; APPLICANT: GILCHRIST, Annette  
; TITLE OF INVENTION: INHIBITORS OF G PROTEIN-MEDIATED SIGNALING, METHODS OF MAKING THE  
; FILE OF INVENTION: USES THEREOF  
; FILE REFERENCE: 0290-29 (NU 99037)  
; CURRENT APPLICATION NUMBER: US/09/489,156  
; CURRENT FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 47  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 17  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: G alpha i R peptide  
US-09-489-156-17

Query Match 29.5%; Score 33; DB 4; Length 13;  
Best Local Similarity 66.7%; Pred. No. 1.3e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 11 IGGGPGCLF 19  
: : : : :  
Db 1 MGGNGIKLP 9

RESULT 13  
US-09-947-372A-20  
; Sequence 20, Application US/09947372A  
; Patent No. 6613557  
; GENERAL INFORMATION:  
; APPLICANT: FRAZER, IAN  
; APPLICANT: ZHOU, JIAN  
; TITLE OF INVENTION: PAPILLOMAVIRUS VACCINE  
; FILE REFERENCE: 065064/0137  
; CURRENT APPLICATION NUMBER: US/09/947,372A  
; CURRENT FILING DATE: 2001-09-07  
; PRIOR APPLICATION NUMBER: 08/185,928  
; PRIOR FILING DATE: 1994-01-19  
; PRIOR APPLICATION NUMBER: PCT/AU92/02184  
; PRIOR FILING DATE: 1992-07-20  
; PRIOR APPLICATION NUMBER: AU PK7322  
; PRIOR FILING DATE: 1991-07-19  
; NUMBER OF SEQ ID NOS: 66  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 20  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Human papillomavirus type 16  
US-09-947-372A-20

Query Match 29.5%; Score 33; DB 4; Length 15;  
Best Local Similarity 62.5%; Pred. No. 1.5e+02;  
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 10 HIGNGGPC 17

Db 4 HWKGSPP 11

RESULT 14  
US-08-981-392-32  
; Sequence 32, Application US/08981392  
; Patent No. 6262025  
; GENERAL INFORMATION:  
; APPLICANT: Ish-Horowicz, David  
; APPLICANT: Henrique, Domingos Manuel Pinto  
; APPLICANT: Lewis, Julian Hart  
; APPLICANT: Artavanis-Tsakonas, Spyridon  
; APPLICANT: Gray, Grace  
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES  
; TITLE OF INVENTION: OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON  
; NUMBER OF SEQUENCES: 94  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10036/2711  
; COMPUTER READABLE FORM:  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/981,392  
; FILING DATE: 22-DEC-1997  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Antler, Adriane M.  
; REGISTRATION NUMBER: 32,605  
; REFERENCE/DOCKET NUMBER: 7326-038  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-790-9090  
; TELEFAX: 212-869-8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
US-08-981-392-32

Query Match 29.5%; Score 33; DB 3; Length 16;  
Best Local Similarity 50.0%; Pred. No. 1.6e+02;  
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 5 RGAEVHNGGPCL 18  
: : : : :  
Db 3 RGMVQSGLAGPVL 16

RESULT 15  
US-09-908-322-32  
; Sequence 32, Application US/09908322  
; Patent No. 6783956  
; GENERAL INFORMATION:  
; APPLICANT: Ish-Horowicz, David  
; APPLICANT: Henrique, Domingos Manuel Pinto  
; APPLICANT: Lewis, Julian Hart  
; APPLICANT: Artavanis-Tsakonas, Spyridon  
; APPLICANT: Gray, Grace  
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF  
; TITLE OF INVENTION: VERTEBRATE DELTA GENE AND METHODS BASED THEREON  
; NUMBER OF SEQUENCES: 94  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036/2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/908,322  
FILING DATE: 17-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/981,392  
FILING DATE: 22-DEC-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Misrock, S Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 7326-123  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-790-9090  
TELEFAX: 212-869-8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 16 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
SEQUENCE DESCRIPTION: SEQ ID NO: 32:  
US-09-908-322-32

Query Match 29.5%; Score 33; DB 4; Length 16;  
Best Local Similarity 50.0%; Pred. No. 1.6e+02;  
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 5 RGAEVHIGNGGACL 18  
|||:|:|:|:|  
Db 3 RGMQVQSLAGPVL 16

Search completed: January 26, 2005, 00:05:15  
Job time : 17.9 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds  
(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-13

Perfect score: 111

Sequence: 1 INGGPCLFMRVTVSHLHG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/prodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/prodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 4: /cgn2\_6/prodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/prodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/prodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/prodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/prodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/prodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/prodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/prodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/prodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/prodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/prodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/prodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/prodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/prodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/prodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	62	55.9	15	14	US-10-354-240-35 Sequence 35, Appl
2	58	52.3	15	14	US-10-354-240-36 Sequence 36, Appl
3	58	52.3	15	14	US-10-354-240-159 Sequence 159, Appl
4	58	52.3	15	14	US-10-354-240-163 Sequence 163, Appl
5	52	46.8	14	14	US-10-354-240-169 Sequence 169, Appl
6	52	46.8	15	14	US-10-354-240-34 Sequence 34, Appl
7	51	45.9	14	14	US-10-354-240-164 Sequence 164, Appl
8	44	39.6	13	14	US-10-354-240-170 Sequence 170, Appl
9	42	37.8	12	14	US-10-354-240-171 Sequence 171, Appl
10	42	37.8	13	14	US-10-354-240-13 Sequence 13, Appl
11	42	37.8	13	14	US-10-354-240-165 Sequence 165, Appl
12	42	37.8	13	14	US-10-354-240-174 Sequence 174, Appl
13	41	36.9	12	14	US-10-354-240-166 Sequence 166, Appl

14	38	34.2	11	14	US-10-354-240-172	Sequence 172, App
15	35	31.5	11	14	US-10-354-240-167	Sequence 167, App
16	34	30.6	10	14	US-10-354-240-168	Sequence 168, App
17	34	30.6	10	14	US-10-354-240-173	Sequence 173, App
18	34	30.6	15	14	US-10-354-240-37	Sequence 37, Appl
19	33	29.7	13	10	US-09-852-910-113	Sequence 113, App
20	33	29.7	13	14	US-10-373-540-17	Sequence 17, Appl
21	33	29.7	13	15	US-10-411-336A-113	Sequence 113, App
22	33	29.7	18	9	US-09-865-943-76	Sequence 76, Appl
23	33	29.7	18	9	US-09-865-943-197	Sequence 197, App
24	32	28.8	10	14	US-09-572-404B-852	Sequence 852, App
25	32	28.8	14	14	US-10-346-162-2	Sequence 2, Appl
26	32	28.8	16	9	US-09-865-943-64	Sequence 64, Appl
27	32	28.8	16	9	US-09-865-943-189	Sequence 189, App
28	32	28.8	18	9	US-09-865-943-70	Sequence 70, Appl
29	32	28.8	18	9	US-09-865-943-192	Sequence 192, App
30	31.5	28.4	19	10	US-09-809-391-512	Sequence 512, App
31	31.5	28.4	19	10	US-09-882-171-512	Sequence 512, App
32	31.5	28.4	19	14	US-10-164-861-512	Sequence 512, App
33	31	27.9	15	9	US-09-864-675-18	Sequence 18, Appl
34	31	27.9	18	9	US-09-865-943-75	Sequence 75, Appl
35	31	27.9	18	9	US-09-865-943-196	Sequence 196, App
36	31	27.9	18	10	US-09-764-163-2	Sequence 2, Appl
37	31	27.9	18	14	US-10-106-698-7659	Sequence 7659, Ap
38	31	27.9	18	15	US-10-668-778-9	Sequence 9, Appl
39	31	27.9	20	14	US-10-280-066-467	Sequence 467, App
40	30	27.0	16	9	US-09-865-943-25	Sequence 25, Appl
41	30	27.0	16	9	US-09-865-943-61	Sequence 61, Appl
42	30	27.0	16	9	US-09-865-943-63	Sequence 63, Appl
43	30	27.0	16	9	US-09-865-943-65	Sequence 65, Appl
44	30	27.0	16	9	US-09-865-943-111	Sequence 111, App
45	30	27.0	16	9	US-09-865-943-132	Sequence 132, App

ALIGNMENTS

RESULT 1

US-10-354-240-35  
; Sequence 35, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 35  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21  
US-10-354-240-35

Query Match 55.9%; Score 62; DB 14; Length 15;  
Best Local Similarity 66.7%; Pred. No. 0.017;  
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 INGGPCLFMRVTVSH 15

|||||::|:

```
Db      1  IGGGPGCVFIKRVSN 15

RESULT 2
US-10-354-240-36
; Sequence 36, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22
US-10-354-240-36

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.069;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY      6  PCLFMRTVSHVILHG 20
Db      1  PCVFIKRVSNVILHG 15

RESULT 3
US-10-354-240-159
; Sequence 159, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row b
US-10-354-240-159

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.069;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY      6  PCLFMRTVSHVILHG 20
Db      1  PCVFIKRVSNVILHG 15

RESULT 4
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.069;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY      6  PCLFMRTVSHVILHG 20
Db      1  PCVFIKRVSNVILHG 15

RESULT 5
US-10-354-240-169
; Sequence 169, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 169
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-10-354-240-169

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.069;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
```

```
Best Local Similarity 60.0%; Pred. No. 0.069;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY      6  PCLFMRTVSHVILHG 20
Db      1  PCVFIKRVSNVILHG 15

RESULT 4
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.069;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY      6  PCLFMRTVSHVILHG 20
Db      1  PCVFIKRVSNVILHG 15

RESULT 5
US-10-354-240-169
; Sequence 169, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 169
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-10-354-240-169

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.069;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;
```

US-10-354-240-169

Query Match 46.8%; Score 52; DB 14; Length 14;  
Best Local Similarity 57.1%; Pred. No. 0.53;  
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILH 19  
|:|:|:|:|:|:|:  
Db 1 PCVFIKRVSNVIIH 14

RESULT 6

US-10-354-240-34

; Sequence 34, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 34  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120  
US-10-354-240-34

Query Match 46.8%; Score 52; DB 14; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.57;  
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IGGGPGCLEM 10  
|:|:|:|:|:|:|:  
Db 6 IGGGPGCVFI 15

RESULT 7

US-10-354-240-164

; Sequence 164, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 164  
; LENGTH: 14  
; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Figure 15, p22-2.

US-10-354-240-164

Query Match 45.9%; Score 51; DB 14; Length 14;  
Best Local Similarity 57.1%; Pred. No. 0.76;  
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 7 CLFMRTVSHVILHG 20  
|:|:|:|:|:|:|:  
Db 1 CVFIKRVSNVIIH 14

RESULT 8

US-10-354-240-170

; Sequence 170, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 170  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-8.  
US-10-354-240-170

Query Match 39.6%; Score 44; DB 14; Length 13;  
Best Local Similarity 53.8%; Pred. No. 8.2;  
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVIL 18  
|:|:|:|:|:|:|:  
Db 1 PCVFIKRVSNVII 13

RESULT 9

US-10-354-240-171

; Sequence 171, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 171  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-9.  
US-10-354-240-171

Query Match 37.8%; Score 42; DB 14; Length 12;  
Best Local Similarity 58.3%; Pred. No. 15;  
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVI 17  
:|::||:|  
Db 1 PCVFIKRVSNVI 12

RESULT 10  
US-10-354-240-13  
; Sequence 13, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 13  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-10-354-240-13

Query Match 37.8%; Score 42; DB 14; Length 13;  
Best Local Similarity 53.8%; Pred. No. 17;  
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVLHG 20  
:|::||:|  
Db 1 VFIKRVSNVIHG 13

RESULT 11  
US-10-354-240-165  
; Sequence 165, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1

; SEQ ID NO 165  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-3.  
US-10-354-240-165

Query Match 37.8%; Score 42; DB 14; Length 13;  
Best Local Similarity 53.8%; Pred. No. 17;  
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVLHG 20  
:|::||:|  
Db 1 VFIKRVSNVIHG 13

RESULT 12  
US-10-354-240-174  
; Sequence 174, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 174  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figures 17 and 18.  
US-10-354-240-174

Query Match 37.8%; Score 42; DB 14; Length 13;  
Best Local Similarity 53.8%; Pred. No. 17;  
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVLHG 20  
:|::||:|  
Db 1 VFIKRVSNVIHG 13

RESULT 13  
US-10-354-240-166  
; Sequence 166, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; SOFTWARE: Patentin version 3.1

```

; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166

Query Match      36.9%; Score 41; DB 14; Length 12;
Best Local Similarity 58.3%; Pred. No. 22;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      9 FMRTVSHVILHG 20
Db      1 FIKRVSNVILHG 12

RESULT 14
US-10-354-240-172
; Sequence 172, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 172
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-10.
US-10-354-240-172

Query Match      34.2%; Score 38; DB 14; Length 11;
Best Local Similarity 54.5%; Pred. No. 57;
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      6 PCLFMRTVSHV 16
Db      1 PCVFIKRVSNV 11

RESULT 15
US-10-354-240-167
; Sequence 167, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
US-10-354-240-167

Query Match      31.5%; Score 35; DB 14; Length 11;
Best Local Similarity 54.5%; Pred. No. 1.6e+02;
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY      10 MERTVSHVILHG 20
Db      1 IKRVSNVILHG 11

Search completed: January 26, 2005, 00:51:40
Job time : 56.6 secs
```

**This Page Blank (uspto)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-13

Perfect score: 111

Sequence: 1 IGGGPELFWRVSHVILHG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep.\*
- 2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep.\*
- 3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/prodata/1/iaa/PCUTS\_COMB.pep.\*
- 6: /cgn2\_6/prodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	86	77.5	20	3	US-08-467-023-36
2	62	55.9	15	4	US-09-142-524D-35
3	58	52.3	15	4	US-09-142-524D-36
4	58	52.3	15	4	US-09-142-524D-159
5	58	52.3	15	4	US-09-142-524D-163
6	52	46.8	14	4	US-09-142-524D-169
7	52	46.8	14	4	US-09-142-524D-34
8	52	46.8	20	3	US-08-467-023-35
9	51	45.9	14	4	US-09-142-524D-164
10	44	39.6	13	4	US-09-142-524D-170
11	42	37.8	12	4	US-09-142-524D-171
12	42	37.8	13	4	US-09-142-524D-13
13	42	37.8	13	4	US-09-142-524D-165
14	42	37.8	13	4	US-09-142-524D-174
15	41	36.9	12	4	US-09-142-524D-166
16	38	34.2	11	4	US-09-142-524D-172
17	35	31.5	11	4	US-09-142-524D-167
18	34	30.6	10	4	US-09-142-524D-168
19	34	30.6	10	4	US-09-142-524D-173
20	34	30.6	15	4	US-09-142-524D-37
21	34	30.6	20	3	US-08-467-023-37
22	33	29.7	13	4	US-09-489-156-17
23	33	29.7	18	3	US-09-128-344A-76
24	33	29.7	18	3	US-09-128-344A-197
25	32	28.8	16	3	US-09-128-344A-64
26	32	28.8	16	3	US-09-128-344A-189
27	32	28.8	18	3	US-09-128-344A-70

28	32	28.8	18	3	US-09-128-344A-192	Sequence 192, App
29	31.5	28.4	19	4	US-09-149-476-512	Sequence 512, App
30	31	27.9	18	3	US-09-128-344A-75	Sequence 75, App
31	31	27.9	18	3	US-09-128-344A-196	Sequence 196, App
32	30	27.0	16	3	US-09-128-344A-25	Sequence 25, App
33	30	27.0	16	3	US-09-128-344A-61	Sequence 61, App
34	30	27.0	16	3	US-09-128-344A-63	Sequence 63, App
35	30	27.0	16	3	US-09-128-344A-65	Sequence 65, App
36	30	27.0	16	3	US-09-128-344A-111	Sequence 111, App
37	30	27.0	16	3	US-09-128-344A-132	Sequence 132, App
38	30	27.0	16	3	US-09-128-344A-186	Sequence 186, App
39	30	27.0	16	3	US-09-128-344A-188	Sequence 188, App
40	30	27.0	17	3	US-09-128-344A-13	Sequence 13, App
41	30	27.0	17	3	US-09-128-344A-23	Sequence 23, App
42	30	27.0	17	3	US-09-128-344A-47	Sequence 47, App
43	30	27.0	17	3	US-09-128-344A-93	Sequence 93, App
44	30	27.0	17	3	US-09-128-344A-95	Sequence 95, App
45	30	27.0	17	3	US-09-128-344A-105	Sequence 105, App

ALIGNMENTS

RESULT 1

US-08-467-023-36  
; Sequence 36, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 36:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-36

Query Match 77.5%; Score 86; DB 3; Length 20;  
Best Local Similarity 70.0%; Pred. No. 1.2e-06;  
Matches 14; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 1 IGGGPGCLFMRTVSHVILHG 20  
|||||:|:|:|:|:|:|:  
Db 1 IGGGPGCVFIKRVSNVIHG 20

RESULT 2

US-09-142-524D-35  
; Sequence 35, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 35  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21  
US-09-142-524D-35

Query Match 55.9%; Score 62; DB 4; Length 15;  
Best Local Similarity 66.7%; Pred. No. 0.004;  
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 IGGGPGCLFMRTVSH 15  
|||||:|:|:|:|:|:  
Db 1 IGGGPGCVFIKRVSN 15

RESULT 3

US-09-142-524D-36  
; Sequence 36, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 36  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22  
US-09-142-524D-36

Query Match 52.3%; Score 58; DB 4; Length 15;  
Best Local Similarity 60.0%; Pred. No. 0.016;  
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILHG 20  
||:|:|:|:|:|:  
Db 1 PCVFIKRVSNVIHG 15

RESULT 4

US-09-142-524D-159  
; Sequence 159, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 159  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Figure 7, Row b  
US-09-142-524D-159

Query Match 52.3%; Score 58; DB 4; Length 15;  
Best Local Similarity 60.0%; Pred. No. 0.016;  
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILHG 20  
||:|:|:|:|:|:  
Db 1 PCVFIKRVSNVIHG 15

RESULT 5

US-09-142-524D-163  
; Sequence 163, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 163  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE

```
; OTHER INFORMATION: Figure 15, p22-1.
US-09-142-524D-163

Query Match      52.3%; Score 58; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.016;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILHG 20
DB 1 PCVFIRKVSNNVILH 15

RESULT 6
US-09-142-524D-169
; Sequence 169, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/Jp97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 169
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-09-142-524D-169

Query Match      46.8%; Score 52; DB 4; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.13;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVILH 19
DB 1 PCVFIRKVSNNVILH 14

RESULT 7
US-09-142-524D-34
; Sequence 34, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/Jp97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 34
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
```

```
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120
US-09-142-524D-34

Query Match      46.8%; Score 52; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.14;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IGNNGPCLEFM 10
DB 6 IGNNGPCVFI 15

RESULT 8
US-08-467-023-35
; Sequence 35, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-35

Query Match      46.8%; Score 52; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.18;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 IGNNGPCLEFM 10
DB 11 IGNNGPCVFI 20
```

## RESULT 9

US-09-142-524D-164  
; Sequence 164, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 164  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-2.  
US-09-142-524D-164

Query Match 45.9%; Score 51; DB 4; Length 14;  
Best Local Similarity 57.1%; Pred. No. 0.18;  
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 7 CLFMRTVSHVILHG 20  
|:|:|:|:|:|:|:  
Db 1 CVFIKRVSNVILHG 14

## RESULT 10

US-09-142-524D-170  
; Sequence 170, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 170  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-8.  
US-09-142-524D-170

Query Match 39.6%; Score 44; DB 4; Length 13;  
Best Local Similarity 53.8%; Pred. No. 2;  
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 CLFMRTVSHVIL 18  
|:|:|:|:|:|:|:  
Db 1 PCVFIKRVSNVII 13

## RESULT 11

US-09-142-524D-171  
; Sequence 171, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 171  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-9.  
US-09-142-524D-171

Query Match 37.8%; Score 42; DB 4; Length 12;  
Best Local Similarity 58.3%; Pred. No. 3.6;  
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVI 17  
|:|:|:|:|:|:|:  
Db 1 PCVFIKRVSNVI 12

## RESULT 12

US-09-142-524D-13  
; Sequence 13, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
US-09-142-524D-13

Query Match 37.8%; Score 42; DB 4; Length 13;  
Best Local Similarity 53.8%; Pred. No. 4;  
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVILHG 20  
|:|:|:|:|:|:|:  
Db 1 VFIFKRVSNVILHG 13

## RESULT 13

US-09-142-524D-165  
; Sequence 165, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 165  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-3.  
US-09-142-524D-165

Query Match 37.8%; Score 42; DB 4; Length 13;  
Best Local Similarity 53.8%; Pred. No. 4;  
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVILHG 20  
|::|::|::|  
Db 1 VFIKRVSNVILHG 13

RESULT 14  
US-09-142-524D-174  
; Sequence 174, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 174  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figures 17 and 18.  
US-09-142-524D-174

Query Match 37.8%; Score 42; DB 4; Length 13;  
Best Local Similarity 53.8%; Pred. No. 4;  
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVILHG 20  
|::|::|::|  
Db 1 VFIKRVSNVILHG 13

RESULT 15  
US-09-142-524D-166  
; Sequence 166, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 166  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-4.  
US-09-142-524D-166

Query Match 36.9%; Score 41; DB 4; Length 12;  
Best Local Similarity 58.3%; Pred. No. 5.2;  
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 9 FMRTVSHVILHG 20  
|::|::|::|  
Db 1 FIKRVSNVILHG 12

Search completed: January 26, 2005, 00:05:15  
Job time : 16.9 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds  
(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-14

Perfect score: 108

Sequence: 1 RTVSHVLHGLNHGNTSV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep:\*  
17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep:\*  
19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*  
20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	62	57.4	15	US-10-354-240-38	Sequence 38, Appl
2	49	45.4	15	US-10-354-240-37	Sequence 37, Appl
3	38	35.2	15	US-10-354-240-39	Sequence 39, Appl
4	34	31.5	10	US-10-354-240-168	Sequence 168, App
5	34	31.5	11	US-10-354-240-167	Sequence 167, App
6	34	31.5	12	US-10-354-240-166	Sequence 166, App
7	34	31.5	13	US-10-354-240-13	Sequence 13, Appl
8	34	31.5	13	US-10-354-240-165	Sequence 165, App
9	34	31.5	13	US-10-354-240-174	Sequence 174, App
10	34	31.5	14	US-10-354-240-164	Sequence 164, App
11	34	31.5	15	US-10-354-240-36	Sequence 36, Appl
12	34	31.5	15	US-10-354-240-159	Sequence 159, App
13	34	31.5	15	US-10-354-240-163	Sequence 163, App

14	32	29.6	8	14	US-10-449-659-46	Sequence 46, Appl
15	32	29.6	10	14	US-10-062-548-143	Sequence 143, App
16	32	29.6	12	10	US-09-876-904A-199	Sequence 199, App
17	32	29.6	14	14	US-10-346-162-2	Sequence 2, Appl
18	32	29.6	15	14	US-10-125-869A-51	Sequence 51, Appl
19	32	29.6	15	15	US-10-462-262-275	Sequence 275, App
20	32	29.6	18	14	US-10-216-122-50	Sequence 50, Appl
21	31	28.7	15	16	US-10-756-289-2	Sequence 2, Appl
22	31	28.7	18	14	US-10-083-641A-12	Sequence 12, Appl
23	31	28.7	18	14	US-10-349-543-4	Sequence 4, Appl
24	31	28.7	19	10	US-09-791-524-1	Sequence 1, Appl
25	31	28.7	19	10	US-09-791-524-2	Sequence 2, Appl
26	31	28.7	19	14	US-10-062-831-123	Sequence 123, App
27	31	28.7	19	14	US-10-062-599-123	Sequence 123, App
28	31	28.7	20	14	US-10-225-567A-1794	Sequence 1794, App
29	30	27.8	9	9	US-09-769-145-76	Sequence 76, Appl
30	30	27.8	9	10	US-09-865-548A-117	Sequence 117, App
31	30	27.8	9	14	US-10-105-008-76	Sequence 76, Appl
32	30	27.8	9	14	US-10-058-821-55	Sequence 55, Appl
33	30	27.8	9	14	US-10-359-546-70	Sequence 70, Appl
34	30	27.8	9	15	US-10-425-557-76	Sequence 76, Appl
35	30	27.8	9	15	US-10-412-701-76	Sequence 76, Appl
36	30	27.8	9	16	US-10-632-678-76	Sequence 76, Appl
37	30	27.8	10	10	US-09-572-404B-3910	Sequence 3910, App
38	30	27.8	10	10	US-09-572-404B-3911	Sequence 3911, App
39	30	27.8	12	14	US-10-075-869-25	Sequence 25, Appl
40	30	27.8	12	14	US-10-366-493-25	Sequence 25, Appl
41	29	26.9	9	15	US-10-428-335-142	Sequence 142, App
42	29	26.9	12	14	US-10-167-831-17	Sequence 17, Appl
43	29	26.9	14	15	US-10-460-594-3	Sequence 3, Appl
44	29	26.9	20	10	US-09-991-433-46	Sequence 46, Appl
45	29	26.9	20	10	US-09-991-433-47	Sequence 47, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-38  
; Sequence 38, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 38  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 24  
US-10-354-240-38

Query Match 57.4%; Score 62; DB 14; Length 15;  
Best Local Similarity 66.7%; Pred. No. 0.0095;  
Matches 10; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 6 VILHGLNHGNTSV 20

|||||:|:|:|

Db 1 VIIHGLHLYGCTSV 15

RESULT 2

US-10-354-240-37

; Sequence 37, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 37

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 23

US-10-354-240-37

Query Match 45.4%; Score 49; DB 14; Length 15;

Best Local Similarity 53.3%; Pred. No. 0.98;

Matches 8; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVLHGLNIHG 15

: ||:|||||:

Db 1 KRVSNIHGLHYG 15

RESULT 3

US-10-354-240-39

; Sequence 39, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 39

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 25

US-10-354-240-39

Query Match 35.2%; Score 38; DB 14; Length 15;

Best Local Similarity 60.0%; Pred. No. 49;

Matches 6; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 11 LNIHGCTSV 20

: ||:|||||:

Db 1 LHDYGCSTSV 10

RESULT 4

US-10-354-240-168

; Sequence 168, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 168

; LENGTH: 10

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Figure 15, p22-6.

US-10-354-240-168

Query Match 31.5%; Score 34; DB 14; Length 10;

Best Local Similarity 60.0%; Pred. No. 1.3e+02;

Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVLHG 10

: ||:|||||:

Db 1 KRVSNIHNG 10

RESULT 5

US-10-354-240-167

; Sequence 167, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 167

; LENGTH: 11

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; OTHER INFORMATION: Figure 15, p22-5.

US-10-354-240-167

Query Match 31.5%; Score 34; DB 14; Length 11;  
Best Local Similarity 60.0%; Pred. No. 1.5e+02;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10  
: ||: ||: ||  
Db 2 KRVSNIHIG 11

RESULT 6

US-10-354-240-166  
; Sequence 166, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 166  
; LENGTH: 12  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; OTHER INFORMATION: Figure 15, p22-4.  
US-10-354-240-166

Query Match 31.5%; Score 34; DB 14; Length 12;  
Best Local Similarity 60.0%; Pred. No. 1.6e+02;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10  
: ||: ||: ||  
Db 3 KRVSNIHIG 12

RESULT 7

US-10-354-240-13  
; Sequence 13, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica

US-10-354-240-13

Query Match 31.5%; Score 34; DB 14; Length 13;  
Best Local Similarity 60.0%; Pred. No. 1.8e+02;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10  
: ||: ||: ||  
Db 4 KRVSNIHIG 13

RESULT 8

US-10-354-240-165  
; Sequence 185, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 165  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC\_FEATURE  
; OTHER INFORMATION: Figure 15, p22-3.  
US-10-354-240-165

Query Match 31.5%; Score 34; DB 14; Length 13;  
Best Local Similarity 60.0%; Pred. No. 1.8e+02;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10  
: ||: ||: ||  
Db 4 KRVSNIHIG 13

RESULT 9

US-10-354-240-174  
; Sequence 174, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 174  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica

```
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174

Query Match      31.5%; Score 34; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
Db 4 KRVSNNVIHG 13

RESULT 10
US-10-354-240-164
; Sequence 164, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164

Query Match      31.5%; Score 34; DB 14; Length 14;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
Db 5 KRVSNNVIHG 14

RESULT 11
US-10-354-240-36
; Sequence 36, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 36
```

```
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22
US-10-354-240-36

Query Match      31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
Db 6 KRVSNNVIHG 15

RESULT 12
US-10-354-240-159
; Sequence 159, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row b
US-10-354-240-159

Query Match      31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
Db 6 KRVSNNVIHG 15

RESULT 13
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
```

; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 163  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-1.  
US-10-354-240-163

Query Match 31.5%; Score 34; DB 14; Length 15;  
Best Local Similarity 60.0%; Pred. No. 2e+02;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10  
Db 6 KRVSNIILHG 15

RESULT 14  
US-10-449-659-46  
; Sequence 46, Application US/10449659  
; Publication No. US20030229005A1  
; GENERAL INFORMATION:  
; APPLICANT: Cognosci, Inc.  
; APPLICANT: Moss, Marcia Lynn  
; APPLICANT: Rasmussen, Fred H.  
; APPLICANT: Vitek, Michael P.  
; TITLE OF INVENTION: Assays for measuring matrix metalloproteinase activities  
; FILE REFERENCE: 56816-5001-US  
; CURRENT APPLICATION NUMBER: US/10/449,659  
; CURRENT FILING DATE: 2003-06-02  
; PRIOR APPLICATION NUMBER: US 60/384,135  
; PRIOR FILING DATE: 2001-05-31  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 46  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: metalloproteinase substrate  
US-10-449-659-46

Query Match 29.6%; Score 32; DB 14; Length 8;  
Best Local Similarity 66.7%; Pred. No. 1.5e+06;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 LNIHGC 16  
Db 3 VNLHGC 8

RESULT 15  
US-10-062-548-143  
; Sequence 143, Application US/10062548  
; Publication No. US20030096982A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 44 Human Secreted Proteins  
; FILE REFERENCE: P2024P1  
; CURRENT APPLICATION NUMBER: US/10/062,548  
; CURRENT FILING DATE: 2002-02-05  
; PRIOR APPLICATION NUMBER: 09/369,247  
; PRIOR FILING DATE: 1999-08-05  
; PRIOR APPLICATION NUMBER: 60/074,118  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074,157  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074,137

; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074,341  
; PRIOR FILING DATE: 1998-02-09  
; PRIOR APPLICATION NUMBER: 60/074,141  
; PRIOR FILING DATE: 1998-02-09  
; NUMBER OF SEQ ID NOS: 172  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 143  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-062-548-143

Query Match 29.6%; Score 32; DB 14; Length 10;  
Best Local Similarity 50.0%; Pred. No. 2.7e+02;  
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 TVSHVILHGL 11  
Db 1 TVRHEVIHAL 10

Search completed: January 26, 2005, 00:51:41  
Job time : 56.6 secs

**This Page Blank (usr.)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-14

Perfect score: 108

Sequence: 1 RVSHVILHGLNHGNTSV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/prodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/prodata/1/iaa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	69	63.9	20	3	US-08-467-023-37
2	62	57.4	15	4	US-09-142-524D-38
3	49	45.4	15	4	US-09-142-524D-37
4	38	35.2	15	4	US-09-142-524D-39
5	35	32.4	18	1	US-08-197-792-12
6	35	32.4	18	1	US-08-459-850-12
7	35	32.4	18	1	US-08-459-214-12
8	35	32.4	20	3	US-08-467-023-38
9	34	31.5	10	4	US-09-142-524D-168
10	34	31.5	11	4	US-09-142-524D-167
11	34	31.5	12	4	US-09-142-524D-166
12	34	31.5	13	4	US-09-142-524D-13
13	34	31.5	13	4	US-09-142-524D-165
14	34	31.5	13	4	US-09-142-524D-174
15	34	31.5	14	4	US-09-142-524D-164
16	34	31.5	15	4	US-09-142-524D-36
17	34	31.5	15	4	US-09-142-524D-159
18	34	31.5	15	4	US-09-142-524D-163
19	34	31.5	20	3	US-08-467-023-36
20	32	29.6	10	4	US-09-369-247-143
21	32	29.6	18	3	US-08-847-844A-50
22	31	28.7	7	3	US-08-142-590B-19
23	31	28.7	15	3	US-08-142-590B-5
24	31	28.7	18	2	US-08-747-915-4
25	31	28.7	18	3	US-08-142-590B-4
26	31	28.7	18	3	US-08-142-590B-24
27	31	28.7	18	4	US-09-285-783-4

28 31 28.7 19 4 US-09-690-454-123 Sequence 123, App  
29 31 28.7 20 3 US-08-142-590B-23 Sequence 23, App  
30 30 27.8 9 3 US-09-250-059-76 Sequence 76, App  
31 30 27.8 9 3 US-09-248-074-76 Sequence 76, App  
32 30 27.8 9 4 US-09-357-717-55 Sequence 55, App  
33 30 27.8 9 4 US-09-458-870-76 Sequence 76, App  
34 30 27.8 9 4 US-09-248-015-70 Sequence 70, App  
35 30 27.8 9 4 US-09-544-782-76 Sequence 76, App  
36 30 27.8 9 4 US-10-058-821-55 Sequence 55, App  
37 30 27.8 15 2 US-08-484-905-47 Sequence 47, App  
38 30 27.8 15 3 US-08-481-985B-47 Sequence 47, App  
39 30 27.8 15 3 US-08-370-476-47 Sequence 47, App  
40 30 27.8 15 3 US-08-992-877-27 Sequence 27, App  
41 30 27.8 17 3 US-08-488-551B-801 Sequence 801, App  
42 30 27.8 19 1 US-08-451-472-12 Sequence 12, App  
43 30 27.8 19 1 US-08-451-472-46 Sequence 46, App  
44 29 26.9 12 3 US-09-188-579-15 Sequence 15, App  
45 29 26.9 12 3 US-09-315-444-15 Sequence 15, App

#### ALIGNMENTS

RESULT 1  
US-08-467-023-37  
; Sequence 37, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM: disk  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 37:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal



CLASSIFICATION: 435  
PRIOR APPLICATION DATA: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-197-792-12

Query Match 32.4%; Score 35; DB 1; Length 18;  
Best Local Similarity 33.3%; Pred. No. 44;  
Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 4 SHVILHGLNIHG 15  
:|:|:|:|:  
Db 3 AHILLHAVRVSG 14

RESULT 6  
US-08-459-850-12  
Sequence 12, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-850-12

Query Match 32.4%; Score 35; DB 1; Length 18;  
Best Local Similarity 33.3%; Pred. No. 44;  
Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 4 SHVILHGLNIHG 15  
:|:|:|:|:  
Db 3 AHILLHAVRVSG 14

RESULT 7  
US-08-459-214-12  
Sequence 12, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994

/ APPLICATION NUMBER: 07/958414  
/ FILING DATE: 08-OCT-1992  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 07/744207  
/ FILING DATE: 12-AUG-1991  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 07/215466  
/ FILING DATE: 05-JUL-1988  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 06/906729  
/ FILING DATE: 31-DEC-1986  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 06/827710  
/ FILING DATE: 07-FEB-1986  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 06/783910  
/ FILING DATE: 03-OCT-1985  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Hasek, Janet E.  
/ REGISTRATION NUMBER: 28,616  
/ REFERENCE/DOCKET NUMBER: 297P2D6  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 415/225-1896  
/ TELEFAX: 415/952-9881  
/ TELEX: 910/371-7168  
/ INFORMATION FOR SEQ ID NO: 12:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 18 amino acids  
/ TYPE: amino acid  
/ TOPOLOGY: linear  
/ US-08-459-214-12

Query Match 32.4%; Score 35; DB 1; Length 18;  
Best Local Similarity 33.3%; Pred. No. 44;  
Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 4 SHVLHGLNTHG 15  
|:|:|:|:|:  
Db 3 AHILLHVRVSG 14

RESULT 8  
US-08-467-023-38  
/ Sequence 38, Application US/08467023  
/ Patent No. 6090386  
/ GENERAL INFORMATION:  
/ APPLICANT: Griffith, Irwin J.;  
/ APPLICANT: Pollock, Joanne;  
/ APPLICANT: Bond, Julian F.;  
/ APPLICANT: Garman, Richard D;  
/ APPLICANT: Kuo, Mei-Chang;  
/ APPLICANT: Yeung, Siu-mei H.;  
/ APPLICANT: Brauer, Andrew;  
/ APPLICANT: Exley, Mark A.;  
/ APPLICANT: Powers, Steven P.  
/ TITLE OF INVENTION: Allergenic Proteins And Peptides From  
/ TITLE OF INVENTION: Japanese Cedar Pollen  
/ NUMBER OF SEQUENCES: 261  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
/ STREET: 610 Lincoln St  
/ CITY: Waltham  
/ STATE: MA  
/ COUNTRY: USA  
/ ZIP: 02154  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: PatentIn Release #1.0, Version #1.25  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/467,023  
/ FILING DATE: June 6, 1995

/ CLASSIFICATION: 424  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 08/350,225  
/ FILING DATE: December 6, 1994  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Jane E. Remillard  
/ REGISTRATION NUMBER: 38,872  
/ REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (617) 227-7400  
/ TELEFAX: (617) 227-5941  
/ INFORMATION FOR SEQ ID NO: 38:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 20 amino acids  
/ TYPE: amino acid  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: peptide  
/ FRAGMENT TYPE: internal  
/ US-08-467-023-38

Query Match 32.4%; Score 35; DB 3; Length 20;  
Best Local Similarity 60.0%; Pred. No. 50;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 11 LNIHGCTSV 20  
|:|:|:|:|:  
Db 1 LYLGCSTSV 10

RESULT 9  
US-09-142-524D-168  
/ Sequence 168, Application US/09142524D  
/ Patent No. 6719976  
/ GENERAL INFORMATION:  
/ APPLICANT: Sone, Toshio  
/ APPLICANT: Kume, Akinori  
/ APPLICANT: Dairiki, Kazuo  
/ APPLICANT: Iwama, Akiko  
/ APPLICANT: Kino, Kohsuke  
/ TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
/ FILE REFERENCE: SPO-103  
/ CURRENT APPLICATION NUMBER: US/09/142,524D  
/ CURRENT FILING DATE: 1998-09-09  
/ PRIOR APPLICATION NUMBER: PCT/JP97/00740  
/ PRIOR FILING DATE: 1997-03-10  
/ NUMBER OF SEQ ID NOS: 174  
/ SOFTWARE: PatentIn version 3.1  
/ SEQ ID NO 168  
/ LENGTH: 10  
/ TYPE: PPT  
/ ORGANISM: Cryptomeria japonica  
/ FEATURE:  
/ NAME/KEY: MISC FEATURE  
/ OTHER INFORMATION: Figure 15, p22-6.  
/ US-09-142-524D-168

Query Match 31.5%; Score 34; DB 4; Length 10;  
Best Local Similarity 60.0%; Pred. No. 33;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10  
|:|:|:|:|:  
Db 1 KRVSNIHNG 10

RESULT 10  
US-09-142-524D-167  
/ Sequence 167, Application US/09142524D  
/ Patent No. 6719976  
/ GENERAL INFORMATION:  
/ APPLICANT: Sone, Toshio  
/ APPLICANT: Kume, Akinori  
/ APPLICANT: Dairiki, Kazuo

```
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
US-09-142-524D-167

Query Match      31.5%; Score 34; DB 4; Length 11;
Best Local Similarity 60.0%; Pred. No. 36;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
        : ||:||:|
Db       2 KRVSNNVIHG 11

RESULT 11
US-09-142-524D-166
; Sequence 166, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-09-142-524D-166

Query Match      31.5%; Score 34; DB 4; Length 12;
Best Local Similarity 60.0%; Pred. No. 40;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
        : ||:||:|
Db       3 KRVSNNVIHG 12

RESULT 12
US-09-142-524D-13
; Sequence 13, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
```

```
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-13

Query Match      31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
        : ||:||:|
Db       4 KRVSNNVIHG 13

RESULT 13
US-09-142-524D-165
; Sequence 165, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-165

Query Match      31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      1 RTVSHVILHG 10
        : ||:||:|
Db       4 KRVSNNVIHG 13

RESULT 14
US-09-142-524D-174
; Sequence 174, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
```

; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 174  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figures 17 and 18.  
US-09-142-524D-174

Query Match 31.5%; Score 34; DB 4; Length 13;  
Best Local Similarity 60.0%; Pred. No. 44;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;  
QY 1 RTVSHVILHG 10  
; : : : : :  
Db 4 KRVSNIH 13

RESULT 15  
US-09-142-524D-164  
; Sequence 164, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toeshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; CURRENT FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 164  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: Figure 15, p22-2.  
US-09-142-524D-164

Query Match 31.5%; Score 34; DB 4; Length 14;  
Best Local Similarity 60.0%; Pred. No. 48;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;  
QY 1 RTVSHVILHG 10  
; : : : : :  
Db 5 KRVSNIH 14

Search completed: January 26, 2005, 00:05:16  
Job time : 17.9 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:58:05 ; Search time 55.6 Seconds

(without alignments)  
129.960 Million cell updates/sec

Title: US-09-202-464-16

Perfect score: 99

Sequence: 1 SGNVLISEAGVVPVHAQDG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1608061 seqs, 361289386 residues

Total number of hits satisfying chosen parameters: 296681

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*  
19: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
20: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	52	52.5	15	14	US-10-354-240-42
2	48	48.5	15	14	US-10-354-240-41
3	43	43.4	15	14	US-10-354-240-43
4	36	36.4	20	9	US-09-813-333-51
5	36	36.4	20	13	US-10-044-703-51
6	36	36.4	20	15	US-10-239-103-51
7	35	35.4	19	10	US-09-994-595-91
8	33.5	33.8	16	10	US-09-747-802-33
9	33.5	33.8	16	10	US-09-865-294-25
10	33.5	33.8	16	16	US-10-789-619-33
11	33.5	33.8	16	17	US-10-861-614-25
12	32	32.3	16	8	US-08-424-5508-366
13	32	32.3	20	17	US-10-776-013-316

14	31.5	31.8	19	10	US-09-747-802-49	Sequence 49, Appl
15	31.5	31.8	19	10	US-09-747-802-55	Sequence 55, Appl
16	31.5	31.8	19	10	US-09-747-802-57	Sequence 57, Appl
17	31.5	31.8	19	10	US-09-865-294-38	Sequence 38, Appl
18	31.5	31.8	19	10	US-09-865-294-41	Sequence 41, Appl
19	31.5	31.8	19	10	US-09-865-294-47	Sequence 47, Appl
20	31.5	31.8	19	10	US-09-865-294-49	Sequence 49, Appl
21	31.5	31.8	19	16	US-10-789-619-49	Sequence 49, Appl
22	31.5	31.8	19	16	US-10-789-619-55	Sequence 55, Appl
23	31.5	31.8	19	16	US-10-789-619-57	Sequence 57, Appl
24	31.5	31.8	19	17	US-10-861-614-38	Sequence 38, Appl
25	31.5	31.8	19	17	US-10-861-614-41	Sequence 41, Appl
26	31.5	31.8	19	17	US-10-861-614-47	Sequence 47, Appl
27	31.5	31.8	19	17	US-10-861-614-49	Sequence 49, Appl
28	31	31.3	11	15	US-10-468-543-13	Sequence 13, Appl
29	31	31.3	13	15	US-10-256-850-53	Sequence 53, Appl
30	31	31.3	13	17	US-10-681-381B-54	Sequence 54, Appl
31	31	31.3	15	10	US-09-563-222-63	Sequence 63, Appl
32	31	31.3	15	14	US-10-354-240-40	Sequence 40, Appl
33	31	31.3	15	17	US-10-783-950-63	Sequence 63, Appl
34	31	31.3	20	13	US-10-032-482-25	Sequence 25, Appl
35	31	31.3	20	15	US-10-362-776-19	Sequence 19, Appl
36	30.5	30.8	15	10	US-09-747-802-35	Sequence 35, Appl
37	30.5	30.8	15	10	US-09-747-802-38	Sequence 38, Appl
38	30.5	30.8	15	10	US-09-747-802-42	Sequence 42, Appl
39	30.5	30.8	15	10	US-09-747-802-44	Sequence 44, Appl
40	30.5	30.8	15	10	US-09-865-294-27	Sequence 27, Appl
41	30.5	30.8	15	10	US-09-865-294-30	Sequence 30, Appl
42	30.5	30.8	15	10	US-09-865-294-34	Sequence 34, Appl
43	30.5	30.8	15	10	US-09-865-294-36	Sequence 36, Appl
44	30.5	30.8	15	16	US-10-789-619-35	Sequence 35, Appl
45	30.5	30.8	15	16	US-10-789-619-38	Sequence 38, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-42  
; Sequence 42, Application US/10354240  
; Publication No. US20030185847A1  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases  
; FILE REFERENCE: SPO-103D1  
; CURRENT APPLICATION NUMBER: US/10/354,240  
; CURRENT FILING DATE: 2003-01-29  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; PRIOR APPLICATION NUMBER: US 09/142,524  
; PRIOR FILING DATE: 1998-09-09  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 42  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptosporidia japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)-(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28  
US-10-354-240-42

Query Match 52.5%; Score 52; DB 14; Length 15;  
Best Local Similarity 66.7%; Pred. No. 0.11;  
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 ISEAGVVPVHAQDG 20

||: || || || || ||

```
Db      1  INESFGVEPVHPQDG 15

RESULT 2
US-10-354-240-41
; Sequence 41, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 27
US-10-354-240-41

Query Match      48.5%; Score 48; DB 14; Length 15;
Best Local Similarity 71.4%; Pred. No. 0.52;
Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      2  GNVLISEASGVVPV 15
Db      2  GNVLISEASGVVPV 15

RESULT 3
US-10-354-240-43
; Sequence 43, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: CryJ1 peptide, Figure 1, Row 29
US-10-354-240-43

Query Match      43.4%; Score 43; DB 14; Length 15;
```

```
Best Local Similarity 80.0%; Pred. No. 3.5;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      11  GVVVPVHAQDG 20
Db      1  GVEPVHPQDG 10

RESULT 4
US-09-813-333-51
; Sequence 51, Application US/09813333
; Patent No. US20020119160A1
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/09/813,333
; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-813-333-51

Query Match      36.4%; Score 36; DB 9; Length 20;
Best Local Similarity 54.5%; Pred. No. 73;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      10  SGVVPVHAQDG 20
Db      10  TAVVPLHRSDG 20

RESULT 5
US-10-044-703-51
; Sequence 51, Application US/10044703
; Publication No. US20020192233A1
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/10/044,703
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-044-703-51

Query Match      36.4%; Score 36; DB 13; Length 20;
Best Local Similarity 54.5%; Pred. No. 73;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      10  SGVVPVHAQDG 20
Db      10  TAVVPLHRSDG 20

RESULT 6
US-10-239-103-51
; Sequence 51, Application US/10239103
; Publication No. US20040057961A1
; GENERAL INFORMATION:
; APPLICANT: Brown University Research Foundation
; APPLICANT: DeGroot, Anne S
```



Db 2 VSDVKGUV-VHKVDG 15

RESULT 11

US-10-861-614-25

; Sequence 25, Application US/10861614

; Publication No. US20040247612A1

; GENERAL INFORMATION:

; APPLICANT: WANG, CHANG YI

; TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the prevention and treatment of Alzheimer's Disease

; FILE REFERENCE: 1151-4167

; CURRENT APPLICATION NUMBER: US/10/861.614

; NUMBER OF SEQ ID NOS: 77

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 25

; LENGTH: 16

; TYPE: PRT

; ORGANISM: Measles virus

US-10-861-614-25

Query Match 33.8%; Score 33.5; DB 17; Length 16;

Best Local Similarity 53.3%; Pred. No. 1.5e+02;

Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVVPVHAQDG 20

Db 2 VSDVKGUV-VHKVDG 15

RESULT 12

US-08-424-550B-366

; Sequence 366, Application US/08424550B

; Publication No. US2002011947A1

; GENERAL INFORMATION:

; APPLICANT: JOHN N. SIMONS

; APPLICANT: TAMI J. PILOT-MATIAS

; APPLICANT: GEORGE J. DAWSON

; APPLICANT: GEORGE G. SCHLAUDER

; APPLICANT: SURESH M. DESAI

; APPLICANT: THOMAS P. LEARY

; APPLICANT: ANTHONY SCOTT MUEHRHOFF

; APPLICANT: JAMES C. ERKER

; APPLICANT: SHERI L. BUIJK

; APPLICANT: ISA K. MUSHAWAR

; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS REAGENTS AND METHODS FOR THEIR USE

; NUMBER OF SEQUENCES: 716

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D

; STREET: 100 ABBOTT PARK ROAD

; CITY: ABBOTT PARK

; STATE: IL

; COUNTRY: USA

; ZIP: 60064-3500

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/424,550B

; FILING DATE:

; CLASSIFICATION: 435435

; ATTORNEY/AGENT INFORMATION:

; NAME: FOREMSKI, PRISCILLA E.

; REGISTRATION NUMBER: 33,207

; REFERENCE/DOCKET NUMBER: 5527.PC.01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 708-937-6365

; TELEFAX: 708-938-2623

; INFORMATION FOR SEQ ID NO: 366:

US-09-202-464-16.closed.rapb

Db 2 VSDVKGUV-VHKVDG 15

RESULT 11

US-10-861-614-25

; Sequence 25, Application US/10861614

; Publication No. US20040247612A1

; GENERAL INFORMATION:

; APPLICANT: WANG, CHANG YI

; TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the prevention and treatment of Alzheimer's Disease

; FILE REFERENCE: 1151-4167

; CURRENT APPLICATION NUMBER: US/10/861.614

; NUMBER OF SEQ ID NOS: 77

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 25

; LENGTH: 16

; TYPE: PRT

; ORGANISM: Measles virus

US-10-861-614-25

Query Match 33.8%; Score 33.5; DB 17; Length 16;

Best Local Similarity 53.3%; Pred. No. 1.5e+02;

Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVVPVHAQDG 20

Db 2 VSDVKGUV-VHKVDG 15

RESULT 12

US-08-424-550B-366

; Sequence 366, Application US/08424550B

; Publication No. US2002011947A1

; GENERAL INFORMATION:

; APPLICANT: JOHN N. SIMONS

; APPLICANT: TAMI J. PILOT-MATIAS

; APPLICANT: GEORGE J. DAWSON

; APPLICANT: GEORGE G. SCHLAUDER

; APPLICANT: SURESH M. DESAI

; APPLICANT: THOMAS P. LEARY

; APPLICANT: ANTHONY SCOTT MUEHRHOFF

; APPLICANT: JAMES C. ERKER

; APPLICANT: SHERI L. BUIJK

; APPLICANT: ISA K. MUSHAWAR

; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS REAGENTS AND METHODS FOR THEIR USE

; NUMBER OF SEQUENCES: 716

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D

; STREET: 100 ABBOTT PARK ROAD

; CITY: ABBOTT PARK

; STATE: IL

; COUNTRY: USA

; ZIP: 60064-3500

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/424,550B

; FILING DATE:

; CLASSIFICATION: 435435

; ATTORNEY/AGENT INFORMATION:

; NAME: FOREMSKI, PRISCILLA E.

; REGISTRATION NUMBER: 33,207

; REFERENCE/DOCKET NUMBER: 5527.PC.01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 708-937-6365

; TELEFAX: 708-938-2623

; INFORMATION FOR SEQ ID NO: 366:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 16 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: Protein

US-08-424-550B-366

Query Match 32.3%; Score 32; DB 8; Length 16;

Best Local Similarity 100.0%; Pred. No. 2.6e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 VPVHAQ 18

Db 4 VPVHAQ 9

RESULT 13

US-10-776-013-316

; Sequence 316, Application US/10776013

; Publication No. US20040226056A1

; GENERAL INFORMATION:

; APPLICANT: MYRIAD GENETICS, INC.

; APPLICANT: ROCH, JEAN-MARC

; APPLICANT: BARTEL, PAUL

; APPLICANT: HEICHMAN, KAREN

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND

; FILE REFERENCE: 1600.24

; CURRENT APPLICATION NUMBER: US/10/776,013

; CURRENT FILING DATE: 2004-02-09

; PRIOR APPLICATION NUMBER: 09/948904

; PRIOR FILING DATE: 2001-09-10

; PRIOR APPLICATION NUMBER: 09/466139

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/113534

; PRIOR FILING DATE: 1998-12-22

; PRIOR APPLICATION NUMBER: 60/124120

; PRIOR FILING DATE: 1999-03-12

; PRIOR APPLICATION NUMBER: 60/141243

; PRIOR FILING DATE: 1999-06-30

; PRIOR APPLICATION NUMBER: 09/975072

; PRIOR FILING DATE: 2001-10-12

; PRIOR APPLICATION NUMBER: 60/240790

; PRIOR FILING DATE: 2000-10-17

; PRIOR APPLICATION NUMBER: 10/194967

; PRIOR FILING DATE: 2002-07-15

; PRIOR APPLICATION NUMBER: 60/304775

; PRIOR FILING DATE: 2001-07-13

; NUMBER OF SEQ ID NOS: 695

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 316

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-776-013-316

Query Match 32.3%; Score 32; DB 17; Length 20;

Best Local Similarity 45.5%; Pred. No. 3.4e+02;

Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 6 ISEASGVVVPVH 16

Db 4 MSPSNNVVPDIH 14

RESULT 14

US-09-747-802-49

; Sequence 49, Application US/09747802

; Publication No. US20030027979A1

; GENERAL INFORMATION:

; APPLICANT: WANG, CHANG YI

; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR PREVENTION OF URINARY TRACT INFECTION

; FILE REFERENCE: 1151-4165  
; CURRENT APPLICATION NUMBER: US/09/747,802  
; CURRENT FILING DATE: 2000-12-22  
; NUMBER OF SEQ ID NOS: 88  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 49  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: T HELPER  
; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS  
US-09-747-802-49

Query Match 31.8%; Score 31.5; DB 10; Length 19;  
Best Local Similarity 47.1%; Pred. No. 3.9e+02;  
Matches 8; Conservative 3; Mismatches 5; Indels 1; Gaps 1;

QY 4 VLISEASGVVPVHAQDG 20  
: ||| ||: ||:  
Db 1 ISISEIKGVI-VHKIEG 16

RESULT 15  
US-09-747-802-55  
; Sequence 55, Application US/09/747802  
; Publication No. US20030027979A1  
; GENERAL INFORMATION:  
; APPLICANT: WANG, CHANG YI  
; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR  
; TITLE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION  
; FILE REFERENCE: 1151-4165  
; CURRENT APPLICATION NUMBER: US/09/747,802  
; CURRENT FILING DATE: 2000-12-22  
; NUMBER OF SEQ ID NOS: 88  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 55  
; LENGTH: 19  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: T HELPER  
; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS  
US-09-747-802-55

Query Match 31.8%; Score 31.5; DB 10; Length 19;  
Best Local Similarity 47.1%; Pred. No. 3.9e+02;  
Matches 8; Conservative 3; Mismatches 5; Indels 1; Gaps 1;

QY 4 VLISEASGVVPVHAQDG 20  
: ||| ||: ||:  
Db 1 ISISEIKGVI-VHKIEG 16

Search completed: January 26, 2005, 00:51:41  
Job time : 55.6 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 25, 2005, 23:41:25 ; Search time 16.9 Seconds  
(without alignments)  
78.483 Million cell updates/sec

Title: US-09-202-464-16

Perfect score: 99

Sequence: 1 SGNVLISEASGVVPHVHQDG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 187706

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:\*
- 1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep.\*
  - 2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep.\*
  - 3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep.\*
  - 4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep.\*
  - 5: /cgn2\_6/prodata/1/iaa/PCUTS\_COMB.pep.\*
  - 6: /cgn2\_6/prodata/1/iaa/backfilesl.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	72	72.7	20	3	US-08-467-023-39
2	52	52.5	15	4	US-09-142-524D-42
3	48	48.5	15	4	US-09-142-524D-41
4	43	43.4	15	4	US-09-142-524D-43
5	43	43.4	20	3	US-08-467-023-40
6	35	35.4	19	4	US-09-106-568E-91
7	33.5	33.8	16	3	US-09-100-414B-4
8	33.5	33.8	16	3	US-09-100-409A-63
9	33.5	33.8	16	3	US-09-303-323-4
10	33.5	33.8	16	4	US-09-770-014-4
11	33.5	33.8	16	4	US-09-701-588C-4
12	33.5	33.8	16	4	US-09-747-802-33
13	33	33.3	14	3	US-09-112-096-11
14	32	32.3	15	2	US-08-560-128-6
15	32	32.3	16	4	US-08-469-260A-366
16	32	32.3	16	4	US-08-488-446-366
17	32	32.3	16	4	US-08-467-344A-366
18	32	32.3	16	4	US-08-424-550B-366
19	31.5	31.8	19	3	US-09-100-414B-15
20	31.5	31.8	19	3	US-09-100-414B-21
21	31.5	31.8	19	3	US-09-303-323-15
22	31.5	31.8	19	3	US-09-303-323-21
23	31.5	31.8	19	4	US-09-770-014-15
24	31.5	31.8	19	4	US-09-770-014-21
25	31.5	31.8	19	4	US-09-701-588C-15
26	31.5	31.8	19	4	US-09-701-588C-21
27	31.5	31.8	19	4	US-09-747-802-49

28	31.5	31.8	19	4	US-09-747-802-55	Sequence 55, Appl
29	31.5	31.8	19	4	US-09-747-802-57	Sequence 57, Appl
30	31	31.3	15	2	US-08-476-062A-22	Sequence 22, Appl
31	31	31.3	15	4	US-09-563-222C-63	Sequence 63, Appl
32	31	31.3	15	4	US-09-142-524D-40	Sequence 40, Appl
33	31	31.3	15	5	PCT-US96-01314-22	Sequence 22, Appl
34	31	31.3	20	3	US-08-467-023-38	Sequence 38, Appl
35	30.5	30.8	15	3	US-09-100-414B-6	Sequence 6, Appl
36	30.5	30.8	15	3	US-09-100-414B-13	Sequence 13, Appl
37	30.5	30.8	15	3	US-09-303-323-6	Sequence 6, Appl
38	30.5	30.8	15	3	US-09-303-323-13	Sequence 13, Appl
39	30.5	30.8	15	4	US-09-770-014-6	Sequence 6, Appl
40	30.5	30.8	15	4	US-09-770-014-13	Sequence 13, Appl
41	30.5	30.8	15	4	US-09-701-588C-6	Sequence 6, Appl
42	30.5	30.8	15	4	US-09-701-588C-13	Sequence 13, Appl
43	30.5	30.8	15	4	US-09-747-802-35	Sequence 35, Appl
44	30.5	30.8	15	4	US-09-747-802-38	Sequence 38, Appl
45	30.5	30.8	15	4	US-09-747-802-42	Sequence 42, Appl

ALIGNMENTS

RESULT 1  
US-08-467-023-39  
; Sequence 39, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Exley, Mark A.;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From  
; TITLE OF INVENTION: Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/467,023  
; FILING DATE: June 6, 1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/350,225  
; FILING DATE: December 6, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane E. Remillard  
; REGISTRATION NUMBER: 38,872  
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 39:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; FRAGMENT TYPE: internal

US-08-467-023-39

Query Match 72.7%; Score 72; DB 3; Length 20;  
Best Local Similarity 73.7%; Pred. No. 1.6e-05;  
Matches 14; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 GNVLISEASGVVPHAQDG 20  
| | | | | : | | | | |  
Db 2 GNVLINEFVGVPVHPQDG 20

## RESULT 2

US-09-142-524D-42  
; Sequence 42, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 42  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28  
US-09-142-524D-42

Query Match 52.5%; Score 52; DB 4; Length 15;  
Best Local Similarity 66.7%; Pred. No. 0.025;  
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 6 ISEASGVVPHAQDG 20  
| | | | | : | | | | |  
Db 1 INESFVGVPVHPQDG 15

## RESULT 3

US-09-142-524D-41  
; Sequence 41, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 41  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 27  
US-09-142-524D-41

Query Match 48.5%; Score 48; DB 4; Length 15;  
Best Local Similarity 71.4%; Pred. No. 0.12;  
Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 GNVLISEASGVVVPV 15  
| | | | | : | | | | |  
Db 2 GNVLINEFVGVEPV 15

## RESULT 4

US-09-142-524D-43  
; Sequence 43, Application US/09142524D  
; Patent No. 6719976  
; GENERAL INFORMATION:  
; APPLICANT: Sone, Toshio  
; APPLICANT: Kume, Akinori  
; APPLICANT: Dairiki, Kazuo  
; APPLICANT: Iwama, Akiko  
; APPLICANT: Kino, Kohsuke  
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease  
; FILE REFERENCE: SPO-103  
; CURRENT APPLICATION NUMBER: US/09/142,524D  
; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: PCT/JP97/00740  
; PRIOR FILING DATE: 1997-03-10  
; NUMBER OF SEQ ID NOS: 174  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 43  
; LENGTH: 15  
; TYPE: PRT  
; ORGANISM: Cryptomeria japonica  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (1)..(15)  
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29  
US-09-142-524D-43

Query Match 43.4%; Score 43; DB 4; Length 15;  
Best Local Similarity 80.0%; Pred. No. 0.82;  
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 GVPVPHAQDG 20  
| | | | | : | | | | |  
Db 1 GVEPVHPQDG 10

## RESULT 5

US-08-467-023-40  
; Sequence 40, Application US/08467023  
; Patent No. 6090386  
; GENERAL INFORMATION:  
; APPLICANT: Griffith, Irwin J.;  
; APPLICANT: Pollock, Joanne;  
; APPLICANT: Bond, Julian F.;  
; APPLICANT: Garman, Richard D;  
; APPLICANT: Kuo, Mei-Chang;  
; APPLICANT: Yeung, Siu-mei H.;  
; APPLICANT: Brauer, Andrew;  
; APPLICANT: Powers, Steven P.  
; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen  
; NUMBER OF SEQUENCES: 261  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.  
; STREET: 610 Lincoln St  
; CITY: Waltham  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02154

```

;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-40

Query Match 43.4%; Score 43; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 1-2;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 GVPVPHAQDG 20
DB 1 GVEPVHPQDG 10

RESULT 6
US-09-106-568E-91
; Sequence 91, Application US/09106568E
; Patent No. 6455248
; GENERAL INFORMATION:
; APPLICANT: Bhattacharjee, J.
; APPLICANT: Suvarna, Kalavati
; APPLICANT: Bhattacharjee, Vaaker
; TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
; TITLE OF INVENTION: A BIOLOGICAL SAMPLE
; FILE REFERENCE: 96,247-A
; CURRENT APPLICATION NUMBER: US/09/106,568E
; CURRENT FILING DATE: 1998-06-29
; PRIOR APPLICATION NUMBER: 08/650,809
; PRIOR FILING DATE: 1997-05-20
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 91
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
; US-09-106-568E-91

Query Match 35.4%; Score 35; DB 4; Length 19;
Best Local Similarity 75.0%; Pred. No. 24;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 13 VPVHAQDG 20
DB 9 VPTHKQDG 16

RESULT 7
US-09-100-414B-4
```

```

; Sequence 4, Application US/09100414B
; Patent No. 6025468
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE
; TITLE OF INVENTION: IMMUNOGENS
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/100,414B
; FILING DATE: 20-JUNE-1998
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4157
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: LINEAR
; MOLECULE TYPE: peptide
; US-09-100-414B-4

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
DB 2 VSDVKGW-VHKVDG 15

RESULT 8
US-09-100-409A-63
; Sequence 63, Application US/09100409A
; Patent No. 6090388
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: PEPTIDE COMPOSITION FOR
; TITLE OF INVENTION: PREVENTION AND TREATMENT OF HIV INFECTION AND
; TITLE OF INVENTION: IMMUNE DISORDERS
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 Park Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10154-0054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/100,409A
; FILING DATE:
```

CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME:  
REGISTRATION NUMBER:  
REFERENCE/DOCKET NUMBER: 1151-4154  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-758-4800  
TELEFAX: 212-751-6849  
INFORMATION FOR SEQ ID NO: 63:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 16 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-100-409A-63

Query Match 33.8%; Score 33.5; DB 3; Length 16;  
Best Local Similarity 53.3%; Pred. No. 35;  
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20  
Db 2 VSDVKGWV-VHKVDG 15

RESULT 9  
US-09-303-323-4  
Sequence 4, Application US/09303323  
Patent No. 6228987  
GENERAL INFORMATION:  
APPLICANT: Wang, Chang Yi  
TITLE OF INVENTION: NOVEL LHRH PEPTIDE  
TITLE OF INVENTION: IMMUNOGENS  
NUMBER OF SEQUENCES: 106  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Morgan & Finnegan, L.L.P.  
STREET: 345 Park Avenue  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10154-0054  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC Windows  
SOFTWARE: Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/303,323  
FILING DATE: 30-APR-1999  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/100,414  
FILING DATE: 20-JUNE-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Maria H. Lin  
REGISTRATION NUMBER: 29,323  
REFERENCE/DOCKET NUMBER: 1151-4157  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-758-4800  
TELEFAX: 212-751-6849  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 16 amino acids  
TYPE: amino acid  
TOPOLOGY: LINEAR  
MOLECULE TYPE: peptide  
US-09-303-323-4

Query Match 33.8%; Score 33.5; DB 3; Length 16;  
Best Local Similarity 53.3%; Pred. No. 35;  
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;  
QY 6 ISEASGVVPVHAQDG 20  
Db 2 VSDVKGWV-VHKVDG 15

Query Match 33.8%; Score 33.5; DB 3; Length 16;  
Best Local Similarity 53.3%; Pred. No. 35;  
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20

Db 2 VSDVKGWV-VHKVDG 15

RESULT 10  
US-09-770-014-4  
Sequence 4, Application US/09770014  
Patent No. 6559282  
GENERAL INFORMATION:  
APPLICANT: Wang, Chang Yi  
TITLE OF INVENTION: NOVEL LHRH PEPTIDE  
TITLE OF INVENTION: IMMUNOGENS  
NUMBER OF SEQUENCES: 106  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Morgan & Finnegan, L.L.P.  
STREET: 345 Park Avenue  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10154-0054  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC Windows  
SOFTWARE: Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/770,014  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/100,414  
FILING DATE: 20-JUNE-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Maria H. Lin  
REGISTRATION NUMBER: 29,323  
REFERENCE/DOCKET NUMBER: 1151-4157  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-758-4800  
TELEFAX: 212-751-6849  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 16 amino acids  
TYPE: amino acid  
TOPOLOGY: LINEAR  
MOLECULE TYPE: peptide  
US-09-770-014-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;  
Best Local Similarity 53.3%; Pred. No. 35;  
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20  
Db 2 VSDVKGWV-VHKVDG 15

RESULT 11  
US-09-701-588C-4  
Sequence 4, Application US/09701588C  
Patent No. 6713301  
GENERAL INFORMATION:  
APPLICANT: UNITED BIOMEDICAL INC., ET AL.  
TITLE OF INVENTION: ARTIFICIAL T HELPER CELL  
EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC  
PEPTIDE IMMUNOGENS  
NUMBER OF SEQUENCES: 151  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Morgan & Finnegan, L.L.P.  
STREET: 345 Park Avenue  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10154-0054

```

;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/701,588C
; FILING DATE: 29-NOV-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/100,414
; FILING DATE: 20-JUNE-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4158PC1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-751-6849
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: LINEAR
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-701-588C-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
DB 2 VSDVKGV-VHKVDG 15

RESULT 12
US-09-747-802-33
; Sequence 33, Application US/09747802
; Patent No. 6780969
; GENERAL INFORMATION:
; APPLICANT: WANG, CHANG YI
; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
; PREVENTION OF URINARY TRACT INFECTION
; FILE REFERENCE: 1151-4165
; CURRENT APPLICATION NUMBER: US/09/747,802
; CURRENT FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: T HELPER
; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-09-747-802-33

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 35;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
DB 2 VSDVKGV-VHKVDG 15

RESULT 13
US-09-112-096-11
; Sequence 11, Application US/09112096
; Patent No. 6194152
; GENERAL INFORMATION:
; APPLICANT: Reiner Laus
; APPLICANT: Michael H. Shapiro
; APPLICANT: Larisa Tsavaler
; TITLE OF INVENTION: Prostate Tumor Polynucleotide and
; Antigen Compositions
; FILE REFERENCE: 7636-0015.30
; CURRENT APPLICATION NUMBER: US/09/112,096
; CURRENT FILING DATE: 1998-07-09
; EARLIER APPLICATION NUMBER: 60/056,110
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-112-096-11

Query Match 33.3%; Score 33; DB 3; Length 14;
Best Local Similarity 58.3%; Pred. No. 36;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 4 VLISEASGVVPV 15
DB 3 VKINEKSGKIPV 14

RESULT 14
US-08-960-128-6
; Sequence 6, Application US/08960128
; Patent No. 5951985
; GENERAL INFORMATION:
; APPLICANT: Butler, Sandra M.
; APPLICANT: Pomato, Nicholas
; APPLICANT: Bos, Ebo
; APPLICANT: Hanna, Micheal G.
; APPLICANT: Haspel, Martin V.
; APPLICANT: Hoover, Herbert C.
; TITLE OF INVENTION: Tumor Associated Epitopes
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Akzo No. 5951985el Patent Department
; STREET: 1300 Piccard Drive, Suite 206
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/960,128
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/478,591
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Gormley, Mary E.
; REGISTRATION NUMBER: 34,409
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 258-5200
; TELEFAX: (301) 977-0847
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
```

US-08-960-128-6

Job time : 16.9 secs

Query Match 32.3%; Score 32; DB 2; Length 15;  
Best Local Similarity 60.0%; Pred. No. 58;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 5 LISEAGVVP 14  
|:|:|:|:|  
Db 5 LVSESDVLP 14

## RESULT 15

US-08-469-260A-366  
; Sequence 366, Application US/08469260A  
; Patent No. 6451578  
; GENERAL INFORMATION:  
; APPLICANT: JOHN N. SIMONS  
; APPLICANT: TAMI J. PILOT-MATIAS  
; APPLICANT: GEORGE J. DAMSON  
; APPLICANT: GEORGE G. SCHLAUDER  
; APPLICANT: SURESH M. DESAI  
; APPLICANT: THOMAS P. LEARY  
; APPLICANT: ANTHONY SCOTT MUEHROFF  
; APPLICANT: JAMES C. ERKER  
; APPLICANT: SHERI L. BUIJK  
; APPLICANT: ISA K. MUSHAWAR  
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS  
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE  
; NUMBER OF SEQUENCES: 716  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D  
; STREET: 100 ABBOTT PARK ROAD  
; CITY: ABBOTT PARK  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60064-3500  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/469,260A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/424,550  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: FOREMSKI, PRISCILLA E.  
; REGISTRATION NUMBER: 33,207  
; REFERENCE/DOCKET NUMBER: 5527.PC.01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 708-937-6365  
; TELEFAX: 708-938-2623  
; INFORMATION FOR SEQ ID NO: 366:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 16 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-469-260A-366

Query Match 32.3%; Score 32; DB 4; Length 16;  
Best Local Similarity 100.0%; Pred. No. 63;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 VPVHAQ 18  
|:|:|:|:|  
Db 4 VPVHAQ 9

Search completed: January 26, 2005, 00:05:16